

<213> Glycine max

<223> Clone ID: 700945785H1

<400> 37408

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cgtgtcctcg atattatcaa gcttctcctg gaccgtcttg aggcacctga cccttgccacc 180  
ctcgagatat tccttggaag agtccctatg gtcttcaatg ttggtatcctttctcgccat 240  
gggtactttg cccaaga 257

<210> 37409

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945786H1

<400> 37409

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gagaatgggt cgatctcaac gagatctcac ctgaggatat agaatgggaa ggtgaacatc 180  
ctggcattct ccatagaagt ggacatggtg gtcaatgtgg tgggtggtatg agattctttg 240  
gtcatcgtg 249

<210> 37410

<211> 93

<212> DNA

<213> Glycine max

<223> Clone ID: 700945789H1

<400> 37410

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ggaaattggtt ggggaaagat gaacttttaa agt 93

<210> 37411

<211> 249

<212> DNA



<210> 37414  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945753H1

<400> 37414

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cacacgacgc tagcgctctc tctccctccc agtacactag ctctctccgt agctctttcc 120  
ctctcagcca ctctcagca ccacacgtag cgctttgtca caacattaga tgtcaattat 180  
tcaagctcct cgacctttac acttgatggt gaatgtaaata taaggaatga agaacattgg 240  
ttttaattt cggtgagt 258

<210> 37415  
<211> 112  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945719H1

<400> 37415

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ggaaagagcc agtttcactt gggaggccgc aagcaccgaa cgtaaaaacg aa 112

<210> 37416  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700945720H1

<400> 37416

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agaggaactc cttgagaggg tgaagaaggt tgcctctgag ttctataagc tggaaagaga 180  
ggagaatttc aagaactcca catcagtga gctactaagc gattcagtcg aaaagaagag 240  
cagcgaaatg gagcatgtgg attg 264





ctgacaaccg aagttaagtc tgtggaaatg caccatgaag ctctcacaga ggctcttccc 240  
 ggtgataatg ttgg 254

<210> 37420  
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 <213> Glycine max

<223> Clone ID: 700945725H1

<400> 37420

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 tggctggccc tcaactggga gaagcagcac atcgtcttgt caagaactcc cttaatatta 120  
 aatcaaataa catgccgtat ggatcaccgg agcagtttcc aggccatcat gcaatgaacc 180  
 ggctcagatc agctggacct tctggatctg ggaaatatta tgggtgaggac acaagcgggt 240  
 attacggaca acattacaat c 261

<210> 37421  
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 <213> Glycine max

<223> Clone ID: 700945726H1

<400> 37421

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 ggttggtgga tttgtacgag agatggagga gccaccaaac ggtttctcga agcctccatg 180  
 agaagcaaaa ccgcttcaac gtgttc 206

<210> 37422  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945727H1

<400> 37422

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 tatatgggtca aatgaatgaa cgcgccggag ctcgatatgag agttgggtta actgccctga 180  
 ctatggcgga atatcttcga gatgtcaatg aacaagatgt acttctatct atcgacaata 240  
 tctttcgctt cgtccaagca 260

<210> 37423  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945728H1

<400> 37423

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 cccttgctgc tcaggttggg cttggagata cttctgggtg acagtccgaa tgatcactat 180  
 tgctggatgc gtccggagga catggactat gaccgtctg tgactgaatg ccacagttgt 240  
 tccgatctcg cggctgaga 259

<210> 37424  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945729H1

<400> 37424

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 gtacggcctc ggaggggaac cagaaaatta tgtgaacaaa ataatctgga accctaattgt 180  
 atcagtgtca tcatcagtgt gtagtttaag cttagctttgc tatggttacg gtctttgaga 240  
 tgagagtctt gatgaa 256

<210> 37425  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945730H1

<400> 37425

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 aaagaagacc caaatgaagt ttcaatcatg ggagaagcag aaatccttgt ttcaggaaga 120  
 gctaataaat gaaaaacaca aattagctca gttgcagcaa gaataagagc cagtaaaggt 180  
 gcacagcagc aagtcgaggc taggtggcag caagcagcaa aggccaaaga aggactcctc 240  
 ctgcaggcca tttct 255

<210> 37426

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700945731H1

<400> 37426

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 gagaatgtct agctgtgggt gtggaagtag ctgcaactgt ggcagcaact gcggttgcaa 120  
 caagtactct tttgacttga gctatgttga gaagacaacc acagagactc ttgttttggg 180  
 tgttgggtct gtgaaggccc aattggaggg tgctgaaatg ggtgttgagc ctgagaacgg 240  
 tggctgcaac tgtggatcaa g 261

<210> 37427

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700945732H1

<400> 37427

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 caaaccaagg ttgaacctgt tacgggtccc gctccggtgg atcccagacc accgctagct 120  
 gaggtccgc cgctcgagaa gaaagcgggtg gcggtgcac cacctgttcc ggctgcggca 180  
 gaggaacca aagctcttgt tattgtggag aaggagaagg agaatagagaa gataccagaa 240  
 cctgtaaaaa agaacgcctc ag 262

<210> 37428  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945735H1

<400> 37428

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 ttttaaacaa atatcgtacc gaggttttgg aattttctgaa tgacatattt gacaccctgc 120  
 tcaaggcact ttcagatcca tctgatgagg ttgtttctct agttcttgat gttcatgcat 180  
 gcattgcaaa agatcctcag cactttcggc aacttggtgt cttcctagtg cacaatttcc 240  
 gggtagacaa ttcccttttg ga 262

<210> 37429  
 <211> 108  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945736H1

<400> 37429

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 cagctcttta acagaggcgt ttccggcagt cgatgcaaaa catgcctg 108

<210> 37430  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945737H1

<400> 37430

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 ccctcacaac tattttcacc aaaagactga gaatccctca cttctttagt catgccacag 120  
 cactgcatag caccaaaacc aggattctgc aatagtcata actctgtgga aggtccccc 180  
 gagatgactg atccacataa ctcgactgtc ctttcct 217

<210> 37431

<211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945739H1

<400> 37431

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 tggcacaaga tagattgaat gggttaggcc aagggggacc aaggcaaagg gcagaagctt 120  
 tagccgcttt aaactctgca ttaattcat catcctgggc cgaagatttt tactcctagg 180  
 ccatctggaa gaggtcaagg atcacaaaga gctgcagcag tagctgctct ttcacaagtt 240  
 cttatggctg 250

<210> 37432  
 <211> 221  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945740H1

<400> 37432

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 ggctaacatc atgttccctt ctagaatctt ccggactgtg tccccgccg ccaaggatct 120  
 cttgagaaaa atgatctcta gggactcttc tagaaggttc tccgcagaac aagccttgag 180  
 acacccttgg atcatgagtg cgggtgacac ggctgaacta g 221

<210> 37433  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945741H1

<400> 37433

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 gctgaaaaat cttatgccta aaagcaagga tgaaatcctc accttgtctt ggatgacttt 180  
 agctatgaag tcactttgtg aaagtcacaa tgacatacgg acccttatga ctgcccttga 240

gcttcctgtg agtgattgg

259

<210> 37434  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945742H1

<400> 37434

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aaagccaggg tcttctgaga aggatggaaa tgttggcaag tttcaccatc agagaaggca 120  
tggtgttgaa ttgataatg gtaaatttcc gaacgaattg gataatgctg ctactccacc 180  
tggtgaatat gataatggcc atgcaaacct tgatgccacac tattcatctt cttcttcaca 240  
acaagcacat gatgctgc 258

<210> 37435  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945743H1

<400> 37435

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gcttctcttg ttcttgcttc tttctcggtt cttaaagagg gaaagagtgg tgtgtctctc 120  
aaggactcca ccttgttcgg tctttcattt tcagaacctc tcaaagctaa cttcagctct 180  
tctgcattga ggtgcaatag ggaattcgaa caaaagctct gtgttgtgg 229

<210> 37436  
<211> 216  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945744H1

<400> 37436

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cctagacttc aggccaaaaa tcataatctg cgggtggcagc gcgtaccctc gcgattggga 120

ctacaaacgt ttcaggggaag tcgctgataa gtgcggacat tgcttctctg cgacatggcg 180  
 cacactagcg gccttgtggc cgcgcagggg agtgaa 216

<210> 37437  
 <211> 106  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945747H1

<400> 37437

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 atgcgccact cattgagaac tccgatacta atcaaattgt tgtgcc 106

<210> 37438  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945748H1

<400> 37438

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 tttgaatgtg ttctctctct ctctcttttt ctttgggtcc ctggtgaata tctagaacca 120  
 ctctctatct agtttctctc ttcttgctag ctagctatct atcatcgatc actctcttgg 180  
 tttaaccacc tgaatgccgg aaaacatgag catatcagtg aatggacaat ctcaagtcac 240  
 tcctggcttc aggtttc 257

<210> 37439  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945749H1

<400> 37439

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 cccaattga tgacacaaaa gaaagtgttt tggtgttggg gtctttgggt aaagtgaaag 120  
 atgcaaaaaga agtggtgaca acacctcttc tcaaaaaccc ttgcaacct tctttttact 180

atctttctct tgaagctatc tctgttgggg acactcgatt gtccattgag aagtccactt 240  
 ttgaagtggg ggatgatggg aat 263

<210> 37440  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945718H1

<400> 37440

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 aattggaccc caattcatat ggtgggtagc tgctcaaagt gtattctatc atctatacaa 120  
 tcaagtgtcg tacatgtctc tggatcagat ctctcccttg acgttttagca ttggaaacac 180  
 catgaaacgt atatctgtca ttgtgtcttc cattattatc ttccacacac cagttcaacc 240  
 catcaatgct cttggtgctg ccattgct 268

<210> 37441  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945750H1

<400> 37441

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 gaacgtgttc gaagatttaa aggtcacttg cttgctttga ctcaacgagt tcagaagggt 120  
 cgtgatgaaa tagaacatct catggatgat gatggtgaca tggctgagat gtgcctaact 180  
 gagaaaaaga gaagatcgga tacttgcaact tttaatgatt gttttcaaac tcgtgcatca 240  
 ggtagactaa tttcaaagtc gg 262

<210> 37442  
 <211> 107  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945752H1

<400> 37442



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 aaaactatgg tgtcggggcaa acttgatgcc atcttgccag ctgctac 107

<210> 37443  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945685H1

<400> 37443

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 gtctgaggat ccgctgggta taaggagtga aagaggggat catttgtttc ttgaacagtt 180  
 cttttaaaaa aattttctat cggatttttg agcataggag attttatgat ttatgacttg 240  
 gaggattttt cagaata 257

<210> 37444  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945686H1

<400> 37444

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 taccttactt acacctctct atggtctaga ccaaataaaa ataaatgtct ggaaggtaaa 120  
 attaaatgaa gaagcaagca gccagattat gatcaaatgg tggcatgtga tcatttgta 180  
 tacaaccggt tctttgaatg attatttgta ggatggatga gatgtacttg cttctttctt 240  
 tgccctgggtg gttcttgc 258

<210> 37445  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945687H1

<400> 37445

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 gattttcggt tggtttagag ttttacagaa tttttttaat ggaattaatt ttgaattggt 180  
 ggatgtaatt gcaagatatg tttaaattac ttaagtcata tatttacatt agtgccggga 240  
 ttaatttttc aaataaat 258

<210> 37446  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945688H1  
 <400> 37446

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 ttcaacaatg actctctctt catcatcatt ggctggccaa gctatcaagc ttgccccctc 120  
 caccctgag cttgggtgtg gaagggttag catgaggaaa acagcctcca agactgtttc 180  
 ctcaggaagc ccatggtacg gccagaccg tgcaagtact tgggccatt ctctggtgag 240  
 ccccatcct atctcac 257

<210> 37447  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945689H1  
 <400> 37447

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 attcccttcc aagatgaaag tttcactact gatgggtcat tggatacaaa tctagactgg 120  
 atatctggaa tgaaaaatat gcgaatcaga gattgtccaa gtttcgtgag aactaccact 180  
 ctagatgaaa ccagttttat ttgctttggt aagaagcaaa aacctgcatg aatcatctt 240  
 caatcataat taaca 255

<210> 37448  
 <211> 256  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945691H1

<400> 37448

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tccaagagca atgttggtga cgatatggc aacagcaacg ccctcctcta tgagcctggt 120  
gaacatccgg accatgtggt tgtcattaag tatgtacctt acgttgggga cagcaagagg 180  
gccatggatg agtactcttc tgagatattc atggcggaag gccacaatt gtgttgaca 240  
acacttgatg ggcttc 256

<210> 37449

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945692H1

<400> 37449

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attatttaatt ttttaactga tctgttgact gttgattcaa tgcagcaaac acttcttaatt 120  
ttgttacttc gtaactacct tcactacaac ctatatgatc aggctgagaa gttgaggctg 180  
aaggctcttc gatttgaagc acattcaaac cgcagttttg tcgttatctc ttctacctag 240  
ggaaaattcg gacaatt 257

<210> 37450

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945693H1

<400> 37450

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ctcaagagca tagccacgag acttcccacc aaaactccaa agaaatcttg gaccttctct 180  
ctggttcctc cactcaggca accggaaatt caccagaaa agaagaaaca cccatggagt 240

gctaaatgcg gtgagct

257

<210> 37451  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945694H1  
 <400> 37451

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 cacttggtga atattgcttc atcatatgtg acaatgatga taatccactg ctcttaagtt 120  
 tcatccaatc acaggaaaaa aaaaaaagt aattcgtata attgctgctg ctatgggatt 180  
 ttaggaatgt attttaggcc tatcggttac agtatgtgaa aaaatggatt tgattcatgt 240  
 aaaaaatact cagcattagt t 261

<210> 37452  
 <211> 126  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945695H1  
 <400> 37452

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 agaaggacac tggggacaca agggagacac cagcaattga tgtgtgcaaa ggactactcg 120  
 gtgaca 126

<210> 37453  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945696H1  
 <400> 37453

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 ttccatggct ctctcatccc catccttggc tggcaaggcc gtgaagctgg gcccatcagc 120  
 cccagaagtg ggaaggggtga gcatgaggaa gaccgtcacc aagcaggtct cctcaggaag 180





<223> Clone ID: 700945708H1

<400> 37459

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 aacaaaagca acaggctcca aggacaattg tggataaac gagggactt cttctgccac 120  
 tggaggtgat accagccacc ctagagcttt gggcaatatt ggtctgaatt caatacctga 180  
 aaccaattt cagggtatag atatggggtc atccatagct gcaaatgctg aggaaagtgg 240  
 gtta 244

<210> 37460

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700945709H1

<400> 37460

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 ctccgtccac ttgcgaaaga gaagagatct gaaaccctaa cctaacccta acagaggtaa 120  
 tggattcagt gcctcgaaga agcagaggag gaggcgtttt cgaaagcctc tacaaggtec 180  
 tcatgcgccg caactccgtc tacgtcacct tcatcatcgc cggcgccctc ctcggagagc 240  
 gggctgtgga ttacggagtt caca 264

<210> 37461

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700945710H1

<400> 37461

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 tatggatgag atcgatgcca ttggagggtc gccgtttcag tgagggaaca agtgcagatc 180  
 gtgagattca gagaacgcta atggagctgc gtaatcagct cgatggattt gatcaacttg 240

<210> 37462

<211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945711H1

<400> 37462

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 tggagaagcc ggtgatcgca ctcggcgtct tctcatgct cgtctcactc gccggcctcg 180  
 tcggcgcggtg ctgtcgcggtg tcgtgggtcc tctgggtcta cctcctcgtc atgcttcgtc 240  
 tcatcgttct tctcttcg 258

<210> 37463  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945712H1

<400> 37463

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 tgatgcgtca aaatgctccc tctccatcca ttttccagat ctagcattct tctttggatc 120  
 aaaatcagac accatttttc tctcttcaact cttcaactctc acctctgtcc ctattctgct 180  
 tgttagctct ctcttcccat ttctttcacc taatgtgact tgctccatct ttatgcaaac 240  
 gttaaagtta aacttgttct c 261

<210> 37464  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945713H1

<400> 37464

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 gtctccggcc gccgtgacct cgtcggagac tttctccggc tgccctccga aactgataac 120  
 gacgacaact tcaagggcac ccggtgggcc gtctctctcg ccggttccaa tggttactgg 180



aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggctctg 240  
 aaagaagaaa atattattg 259

<210> 37465  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945714H1  
 <400> 37465

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 acgcaacgcg tagatccaac tccaagcctc tcggcatcgc caagaagtcc aaaccctccg 120  
 tttccctcaa aaaccagatt cgatcccttg agcgcgtgct ccgcaagaac ctgcctcccg 180  
 aggtgcgcga ggcgcaggag caaaagttgg aggcactgaa gaagcagcag gagattcaca 240  
 cgcgccctcg cgccgaacgc a 261

<210> 37466  
 <211> 103  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945715H1  
 <400> 37466

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 atcaaattag aagacagcaa agaggagcac aactgaagca gag 103

<210> 37467  
 <211> 114  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945717H1  
 <400> 37467

catgaccgtg accatggcgg ctgcgtttac aagtagcagt gcaacactga gactgtcaaa 60  
 tgttggagag atcagatggt tgcagctgcg taagtgtaac cctaataccta ataa 114

<210> 37468

<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945684H1

<400> 37468

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acgtctgaat gtggggagtg gaagcagggt ggcctcagtc acacgtgcag gggtcacagt 180  
tagagcacia caacaacaag tgagtgggtga ggtacaaagc agccgtcagg cagtgtcttc 240  
acttgttgct gctggttt 258

<210> 37469  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945656H1

<400> 37469

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tcagtcccca aaccaagaaa ccctaaatta aattcatgtg ctctccagg tctaccagtg 120  
ctgcaccaac aagaccttgt tacttggaac aaggccacgg cttggcttcc ttaaaacaca 180  
tggtatgcgtg tcataatcgt gccacaact ttgtctcagg tccatgacca tgggttacgg 240  
cacttcctac cacagaacta g 261

<210> 37470  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945657H1

<400> 37470

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gcaaccaaga ttttgaaaag gctggagagc tacgagatag agagatggat ctttaaggcac 120  
agatctcaac tctttagtag aaaggcaagg agatgagcaa ggcagagagt gaggcagggg 180

atgcaagtec tgttgtgact gaagctgaca tacagcaatt gtctcatctt ggactggat 240  
 tcctgttgag aaagtctcaa ca 262

<210> 37471  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945659H1  
 <400> 37471

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 atcatcttgg gagacctatt gctcttgatg ctggggctca attatacacc atcctagaac 120  
 tttgccgagc atttgaacgg atattcaagg aacatttaga tggagggcgt ccaggaggag 180  
 ataggatata taatgtcttt gacaatcagc ttcctctgct ttaacggaagc ttccacttga 240  
 ccggcatctt tctctccaga 260

<210> 37472  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700945660H1  
 <400> 37472

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 aagccaattc catttagatc agagtcgctt cgattcctga tgcaacatac tgtgganagc 120  
 cctaaaatgg aggggactgt cttcactcct gcaactgcaag aaattgagca tgtaaagtct 180  
 gatcaaggag aaattctgag caagcttttc ttggatgcgg caaacacata ttgctgttaa 240  
 tagataagtt tggagctgct atggc 265

<210> 37473  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945661H1  
 <400> 37473

cggtcgcgg taacgccatt aattagacaa cctgtgaatg gaatttgtat cattaacatc 60  
aacttaatga gtggggacac tgataatatt ggtgggttatg ggctgtatc tgaattggat 120  
tatcatcaag acgattttga agcgactgaa attgggtctct ttgattgtga agaggacgac 180  
aatttggctg aagttgacac cacaatcaaa ggtagacgag aagacgtggc atctttttga 240  
gactcagaat agcagataag gaaggtcgaa tt 272

<210> 37474  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945662H1

<400> 37474

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ttgggaaggt gatgagcatt gcaaagatga tgaagtcaga gtttgatagt gagaactata 120  
cactttctgc cattggtggt gttgagacag gcggtgatgc tgctgagttt atccttctcg 180  
gggcaaacac tgttcaggtg tgcactgggg ttatgatgat ggctatggac ttgtgaagaa 240  
actatgtctt gagcttcaag actt 264

<210> 37475  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945663H1

<400> 37475

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ctaagacact gggtcaccga ataccatgtg gatggatttc gatttgatct tgcaagtgtc 120  
ctgtgtcgag gaattgatgg ctccccctc aatgcacccc cacttattag ggctattgct 180  
aaagatgcag tattatcaag atgtaaaatt attgcagagc ttgggattgt ggaggtctct 240  
atcttgttgg gagtttctta at 262

<210> 37476  
<211> 270



agaaaaaaga gagcaagt

258

<210> 37479  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700945668H1  
 <400> 37479

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 acgaagaaat caaagactat ggaacccttt tcttgtctca tattgctgaa gatataactg 120  
 attccgccac attcgcagat tcangntcca aaagaaggac tccgaatcca agatgtactt 180  
 gttaggattg cagtctctgct cttgataagg gacaggtgaa gtatgcgtca cacattcctc 240  
 aaactccatt gtttt 255

<210> 37480  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945669H1  
 <400> 37480

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 tcaccattgc cctctatggg atggcttcaa ggaaaagaag ctaaagtggc ttgagagatt 120  
 tgcctatgca aacacaactg tctatccatt cacctccatg cctctagttg cctactgtat 180  
 tcttccagca gtttgtttac tcaactgacga attatcatgc caccgattag cacctgtgct 240  
 gggttgtac 249

<210> 37481  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945670H1  
 <400> 37481

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 taaacgacgt gaggaggatg caacgctgcc tcatcgatcg atacggtttc tccgaagacg 120  
 acatcacctgt tttgatcgac acggacgagt cctacacgga gcccacgggg aagaacatcc 180  
 ggtcagcggt gaccaggctg gtccgatcgg cgagctaggg gacattctgt tcgtccatta 240  
 cagcggacac ggcacg 256

<210> 37482  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945671H1  
 <400> 37482

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 agaggaaggt cctcttcaat cctgtctttt tcatcggtga tctgcgctag ggctccgtaa 120  
 tcagacacct ttttcctctt acttcattta acctcacaac aatcaagtct tgcgttgaat 180  
 ctccgctgct tttttatggt ttacttttcg attgatcatt ttttcatttg cgaaatgcgg 240  
 cttaagattt tcattt 256

<210> 37483  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945672H1  
 <400> 37483

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 gagaagagaa ggtgtctttg gaactcagcg aagaaattct tcagagtatg gaagtgggaa 120  
 tgtccttcaa agactataac ggtagaatta gtgcgttga ttttcacagg gcatccagtt 180  
 atctagtgac cgctagtgat gatgaatcca ttcgctgtat gatgttactg gtggaacatg 240  
 tttgaagaca attaatagc 259

<210> 37484  
 <211> 257  
 <212> DNA





acaggaaatt cttttgcca

259

<210> 37487  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945677H1

<400> 37487

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gctaaagaag ctgataagaa gaagaactac tttgctgctg ctgttgccga agagggatcc 120  
cagctgttat tgcttcatgc tattgaagaa ttttcttgca agtctacttc caatgctttg 180  
aaggagggttg ccctggttct aaaggcactc tatgatgctg atgtggttga ggaagagcac 240  
atagtgcagt ggtatcaaaa g 261

<210> 37488  
<211> 152  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945678H1

<400> 37488

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tgagcagat ctgattgtca cccaattatt ttatgatagc gatatttcc tcaaatttgt 120  
gaacgcctgt cgccaaattg agaatcaacg tg 152

<210> 37489  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945679H1

<400> 37489

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agaaccttga ccagagttt gtgaggtcag aagttgctcg tggacgtgct atcattcctt 120  
ccaacaagaa acacttgag ttagagccca tgatagttgg aagaaacttt ttggtaaaag 180

taaatgcaa cattggaaat tctgcagttg caagttcata gaagaggaag ttacaaggt 240  
tcaatgggca actatgtggg gag 263

<210> 37490  
<211> 265  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945680H1  
  
<400> 37490

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tccaatgggg cattttctgca caccgataca ccagcacctg catcatcctt gcttccttct 120  
gggcttttcta attctagtag tcctgccgct gatggggcaa gttccctttc ggtgacacta 180  
agtcttttctt cctcaatggg gatcgcgctt ccatttttcag gttgccaccc aagagaggac 240  
cagacaatgc tccttttgtt ttggg 265

<210> 37491  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945681H1  
  
<400> 37491

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ggattcttct cgggaggaga atgtttacat ggcgaaattg gcggagcagg ccgagcgтта 180  
cgaggagatg gttgagttca tggagaaggt acaaagactg tggaggttga ggagttgacg 240  
gtggaggaga gaa 253

<210> 37492  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945682H1  
  
<400> 37492

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 cactaagtct tttcaagtga gatcaattgc tggactaca gaagctgcat cggggtttgt 120  
 tgagatgggt tctgggacta agaggaagta ttacatgcta ggtgggaaag ggggagtagg 180  
 gcagacaagc tgtgtgctt cacttgctgg taatttgcca ataatggaca ccctactctc 240  
 gtggtttcca ccgat 255

<210> 37493  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945655H1

<400> 37493

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 tagaactgat atttctacag atgttgacac gcatgatatg aatccacggg ttgatagaag 120  
 tcagtccttt gttgctgttg cttctgactc cagtgcacaga tcaaaggata aatcagatca 180  
 taagagtctc cgcaggcttg ctcagaatcg cgatgctcaa gaaaaagtcg gtttatatag 240  
 aaagcttatg ttcaacagct cg 262

<210> 37494  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945629H1

<400> 37494

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 cattggtgtg aagcgtggcc gcaacctcgc cgcgcaggaa ctgtggtccg agcttgacct 180  
 tttctctgac ctcttgggt tcgataccac caccaccacc acaaccaacc acccttcca 240  
 gacaaaaaag tggtgtcatc atgtgaga 268

<210> 37495  
 <211> 269  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945630H1

<400> 37495

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ccggtggcgc cggcaaaggc cgcactaaca tgcgccgcac cgtcaagagt gtcctcaga 180  
gcatttggtg tggccctgac cgtcccaagt acttgggtcc attccggagc agattccatc 240  
atacctgacc ggagaatccc tgggtgacta 269

<210> 37496

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700945631H1

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agcttgatct gttggaaatc atagccaagg ctggccctgg tgttcacctt tccccctccg 180  
acattgcttc tcggctccca acacacaacc ctgatgcacc cgttagttgg accgtatatt 240  
gcgcctcttg gcttgctaca atatcctctc t 271

<210> 37497

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700945632H1

<400> 37497

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tagcaaacta ttttctgata ttaaaattcg aggaaagggt gctgtaggcc tcaatccaaa 120  
tattagattc tataggtaca aggttgggtc gcgctttgga cggcatattg atgaaagtgt 180  
tgatcttggg gatggaaaac gcacttatta tactctgcta gtgtattgag tgggtgggcct 240

ggtgaactta aatcaaagcc caaaaatgat t

271

<210> 37498  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945633H1

<400> 37498

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accaccctaa ccgacggatc caaaccaga tgatcccacc gtgcctgaaa ttgctcatat 120  
gtacaagaca gacaggtcca agtatgagac aactgctagg agctggactc agaagtatgc 180  
aatgggctag caaattggaa taacgcatta tattatagga taggacgtgt tccttcatt 240  
tgttaaaaga cattaatgta taatc 265

<210> 37499  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700945634H1

<400> 37499

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tctcaaagtc aagggccagg atggtaatga gggtttcttt aggattaaaa gaagcactca 180  
gctcaagaaa cttatgaatg catactgtga tcgtcgattg tagattttta ctcaattgct 240  
ttcttgtttg atggaaggag a 261

<210> 37500  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700945636H1

<400> 37500

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gaaacagtct ttttactatg ttttatgttt tttgaatttt cgaaattttg gaacgttggc 120  
tagttaggtg ccgtatgtag tagtttcttt atggtaaatt tgtgtccgct cctggccaa 180  
tgaatttgtg ctttcttcgt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240  
aaaaaaaaaa aggggggggc cgg 263

<210> 37501  
<211> 262  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700945637H1  
<400> 37501

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aacaacacca attttgtcca agttcacgcc tttgttgag ccatggccaa atgatgctac 120  
aagaatggaa ctagaaacct gatcaggaca tttgacctga ggaaacctgc cctctaggca 180  
agtctgatgc ttggcttttc atccctgctg ttgagaacaa ataaggcatg gctcatctca 240  
tgagattatt tagcatatta ta 262

<210> 37502  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700945638H1  
<400> 37502

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aaaacaacca gttcataccc tcagttttct gaaccagctg gtctattgtt ttaatctgt 120  
gcttctattg gactcttccc tgcagtgggc attcttccat tttctccaat tcccctctg 180  
cttctctttt cttacatatg cagctcatca ctccattag gccatcttct ttttggtagc 240  
ataaacatgt gctatgag 258

<210> 37503  
<211> 261  
<212> DNA  
<213> Glycine max

[illegible]

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atcattgtgc agcctgatcg ggttgtgata gcgaatggac ctgcttttgg gtgtgtgctg    120
atgaaggatt tcctcaaggc actcgcaaag cgctcaagc acaaçaatac tgcatatgaa    180
aattaccaca ggatatttgt ccctgatggg catcctttta ggctgcaccc agagagcctt    240
tgagggttaa tgttctgttc c                                     261
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<213> Glycine max

<400> 37504

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ctcggcctgc ggaattaccc ttaattttctc tgtgttcctt ccaatcacat ggcatagaat	120
ttaaggtttt ttaactagaa gaagatctaa ttagctatct agctaggaag aagacgaagc	180
aaattaaaga ctagttaatt agtgagtcaa aagtgggaat ggaaggagag agagggtggcg	240
cacccaatta tgagcttcaa gttt	264

<213> Glycine max

<400> 37505

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tcatttcaaa aaatttatag aatttcgatt ttgaaatgaa agaaaagtgt ggggataaat	180
ataaatgaca aaaagatatt ggaacataat cttggaagga tgatggaagc aggagttcat	240
tttggccacg gtactagaaa atgg	264

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<223> Clone ID: 700945642H1

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 acctactgtt cttcctttca taatagtttt ctttgggctc gcctatgttg tgttccgtca 180  
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<210> 37507  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945643H1

<400> 37507

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 cgcttttctct catccatcat gaaaggagga aagtccaaga ccgaatctaa gagagccgat 120  
 gccaaacttg ctgtgaataa gaagggcgcc gccaccaaga ctaggaaacc cgccggaaag 180  
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<210> 37508  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945644H1

<400> 37508

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tggagaaggc cacaagaag aatcattcta tttaaagtca gcctatcagt caggttagtt 180  
 gatgcctggt cctcaaaggt tcaaaacatt cctttgnggg tagctgatgg gtgtctcctt 240  
 acaaattctc agcgtttaaa ggga 264

<210> 37509  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945645H1  
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 acttgccagt cgcgatagtt cgtcctgcag attttgagga tgcagctaag caagcatgcc 180  
 aaacaaaact tgagaatgcc aaatccactt ttctcgttt gatgagggga accttccta 240  
 tctttgcatg gatcttatat acc 263

<210> 37510  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945647H1  
 <400> 37510

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 tctattgtcc gtttgacaag gtctactcgc ccagacaagg ctgcgcgctt gggtttcaag 180  
 gctaagcagg gttatgtgat ttaccgtgtt cgtgtacgaa ggggtggccgg aagagaccag 240  
 ttccaaaagg tattggctat ggtaagc 267

<210> 37511  
 <211> 264  
 <212> DNA  
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 <223> Clone ID: 700945648H1

<400> 37511

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 aagagtcacc atgccaccat actacaactc agctgttgct tctggtcacg ctctcaccc 180  
 gtacatgtgg gggccaccac agcctatgat gccaccttat gggctcctta tgcagcaatt 240  
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<210> 37512

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700945649H1

<400> 37512

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 ttctgcaaac aaatttgcatt cttcaaaagt cattgatttg ccgaagggca accttgcagt 180  
 ctatgttggg gagaaaatga ggcgggtttgt gattcctgat cataacttgaa ccaaccttca 240  
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<210> 37513

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945650H1

<400> 37513

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 cccaattttt actctcgcaa agtgggtgat ttgaggaagt ttgatttggg aaatgaacaa 180  
 aggacagtca ccggagcctc ttgatttctt catctggact gttgaggatg ttggcttttg 240  
 gctggagact ataaatct 258

<210> 37514  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945651H1

<400> 37514

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 aaaattgttt caaatatcaa tatgggttgg ctttgaacga gtggtgtaag tttaaaattg 180  
 tgatgcagtc aaattagatt gactcgtaa tgtgtagctt attgttgatt gttgacattg 240  
 tataaactgg gttttggt 258

<210> 37515  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945653H1

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 cgcaaccctc ctctcgccc tctctccanc ancancgccc ccgcgcgcaa gtctctcgat 180  
 caagacgccc ctctctcaaa ggactcttga agaacaacca catccaccac tttgggggta 240  
 ggctttaaaa taaataaaaa 260

<210> 37516  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945654H1

<400> 37516

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tcaatccaag gtcctcttat tgttgcttca actcttcaaa tagtactggg cttcagtggt 180  
 ctctggcgta atgttgcaag gttcttaagt ccacttcgtc agttcctttg gtatctcttg 240  
 ttggtttttg gctgtatgag t 261

<210> 37517  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945628H1

<400> 37517

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 ctcacgtcg cgggcgaact tcagatcgct gctcttgctt ctccgaagtt tgtgccttgc 180  
 ggtttttttc agaggcagtt gttgttgga tctttagta cggttttttt ggctcactag 240  
 tggaaaattg tcatagatgg gctg 264

<210> 37518  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945604H1

<400> 37518

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 aagctcctaa gagacaacgg ctggtcactc ccctgaccct ccaaagaaag agggcaacga 180  
 ttgcagataa gaagaagagc attgccaaag caaaatcaga gcagcagagt accagaaact 240  
 tcttgctcc agattgaagg ag 262

<210> 37519  
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 <213> Glycine max

<223> Clone ID: 700945605H1

<400> 37519  
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 caatacaaga agggcaagga cagcatcgcc gctcaggaa aacgccgtta tgaccgcaaa 180  
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<210> 37520  
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 <213> Glycine max

<223> Clone ID: 700945606H1

<400> 37520  
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 tcgtcttcgt ccccttaatg aaaaggagct tgcaagaaat gatgtttcag attgggaatg 180  
 catcaatgac actaccatca tatacaggag caacctttca gtactgacag gtcactctac 240  
 ccaacagcat attccttgac 260

<210> 37521  
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<223> Clone ID: 700945607H1

<400> 37521  
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 gccatggtgg ctatgttccc taagaactac tcttcaatgc acaatagatg tgcaagtgtc 180  
 ccctttcgcg tatcaagaat aataagtatg ctattaataa cggatcataa taattaataa 240  
 cgtaacaatc atatcatcac cattaa 266

<210> 37522

<211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945608H1

<400> 37522

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 catttagaga gaaggtcata tatactgtga tctctctggt cattttcctt gtttgcagtc 180  
 agcttcctct gtatggcata cactcaacaa cagggtgctga tcattctatt ggatgcgtgt 240  
 tatecttgct tcaaaccgtg gaactg 266

<210> 37523  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945609H1

<400> 37523

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 gcacgtgttc ccatagtaaa gctcatggat ccagtgcag gaatatcttg tgacatatgc 120  
 attaacaatc tcctagctgt tgtgaatacc aagcttcttc gggattatgc acacatagat 180  
 ccaaggttgc gtcagctggc ttccattatt aaacattggg ctagtcaaga agagtcaatg 240  
 aaacttacca tgggaccttg tctagct 267

<210> 37524  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945610H1

<400> 37524

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 ataaaccagt agccaaggaa gatatggagt tttctatgat ttccattgtt agcaacatta 120  
 tgctgctttt cagttcagca ttgccaataa ctgctagtcc tcctctctg agcccaactc 180

cagcaccagc cccggcacca gacttcgtga acctcactga gtactcagtg ttgctggtcc 240  
 gtttcacacc ttccttgat accttgag 268

<210> 37525  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945611H1

<400> 37525

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 tcaatacgtg tttgctagct agttctggct ttctgttgct tcttttattt tataaatttc 120  
 attgctcatg agtcatgatg cgattcttgt acgtgcatgg atggttaact tctcgttatt 180  
 ctgtcgcttt aattgggtgtt tgtttttatt taacaaagtg taaattaaat aaattcccga 240  
 tgctttctta tgc 253

<210> 37526  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945612H1

<400> 37526

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 gcgtccaaga cgtatcctca gcaggctggt accattcgca agaatggcta catcgtcatc 120  
 aaatccaggc cttgcaaggt tgtagaggct tctacgtcaa agacaggcaa gcatggacat 180  
 gcaaagtgtc actttgttgc aattgatatt tttaatggga aaagcttgaa gatattgttc 240  
 catcatccta caactgtgat gttcca 266

<210> 37527  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945613H1

<400> 37527

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 tcctaattgct ggaaaagtgt ctctcaggg tcttaacaaa gatgttaaag ctattcttat 180  
 taacttgaca ccaaaatcac caagggaaag ggggcccaag tcctgtctgg gcttgcaaag 240  
 cacctcgaga agccagcaca gcatgtg 267

<210> 37528  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945614H1

<400> 37528

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 atgggtcgag tgagaacgaa gacggtgaag aaatcctctc ggcaggtgat agagcgtcac 120  
 tactcgcgca tgaccctgga cttccacacg aacaagaagc ttctggagga agtggcgata 180  
 atcccgtcga agaggctaag gaacaagatc gcggggttct cgagcacctg atgaagcgca 240  
 tccagaaggg ccctgtgcgc ggcattc 267

<210> 37529  
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 <213> Glycine max

<223> Clone ID: 700945615H1

<400> 37529

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 ctcatcatca acaccttcta ctccaacaag gagattttcc ttcgtgaact catcagcaac 180  
 gcctccgatg ctttgagaaa gattcgattt gagagtttga cagatagagc aagctcgatg 240  
 ctcagccaga gttgttcatt catattat 268

<210> 37530  
 <211> 255  
 <212> DNA



<213> Glycine max  
 <223> Clone ID: 700945616H1  
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 aggggtccaaa gtgacctttg aggcttgtaa acaggaggac attagctcag ccaagagtga 180  
 catatttgat tcattcagaaa gccacacaata cactgatgga gttcacttgc acttctagag 240  
 actggtgatt cttct 255

<210> 37531  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945617H1  
 <400> 37531  
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 tcaaaaatac ggcaagggttc cgggattagc ggtggtgata gtagggacca gaaaagattc 180  
 acagagctat gttggaatga agagaaaggc atgcgctgaa ttggaatcaa atccttcgat 240  
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<210> 37532  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945618H1  
 <400> 37532  
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 ttccacttat gacagggcgg ctgatgtgaa agcctttgat gattcaaaag ctggtgttaa 180  
 cggctcttgta cagtctggcc tgacgaagat ccctcgcatg tccattctgg catgtgagag 240

atccttgaga cctcag

256

&lt;210&gt; 37533

&lt;211&gt; 264

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700945619H1

&lt;400&gt; 37533

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aggaatgggc gcagatacat cagctcttga tacagcattt acatctgatg tggcaagtcc 180

agtaggacta cagcttgacag cagatgggtgg caatggaatt ctagatcgct ggatcaaatt 240

caatggaatt ttagcctatc tgat 264

&lt;210&gt; 37534

&lt;211&gt; 126

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700945620H1

&lt;400&gt; 37534

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ctcttttctt cttggggaca tggcctgctc ttttgactat gtgagaaagg cgtggctgctc 120

ttcctc 126

&lt;210&gt; 37535

&lt;211&gt; 262

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700945621H1

&lt;400&gt; 37535

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tggttgagag attacaaagt ctccaagttc aaagatgac tcttggtggtg cttaactctt 120

gccagtctct gcatacctca gagcatagga tatgctactt tagcaaaagt tgctcctgaa 180

tatggcctgt ataccagtgt tgttcctcct cttatttatg ctatgatggg aagctcaaga 240  
gaaattgcaa ttggacctgt ag 262

<210> 37536  
<211> 263  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945622H1  
  
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tgcgagggct gcaagatgta cccagacttg atctacactg agtcaaccac caccgagacc 180  
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tgagaacgat ggctgcaa at gtg 263

<210> 37537  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945623H1  
  
<400> 37537

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cttcatcaat atactcatct tgttcacctc agctcactcc ttccttcac ttcctgcagc 180  
tcttctgcc aaggtcccaa aagaaaagca tcattagaag tgtacacaaa catggggccat 240  
gctcccaact gaataatc 258

<210> 37538  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945624H1  
  
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<213> Glycine max

<223> Clone ID: 700945627H1

<400> 37541

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taaaacttcc agccgagaaa ctttagttac aatgaatgga agtggaaaca atggtcagag 180  
cactgagaaa tctttacaac ggtggcttga tcatgaacta gagtcatggt agaagagcat 240  
gaagttcggt ttgagtatga gaaaca 266

<210> 37542

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700945603H1

<400> 37542

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agaaactgcg aggggctaag ccaggaaagg tggaactgaa tgtgataagt tatgggtggga 180  
gtgtgaacat ctcaacaggt gaggttaaca ccaccatcat ggatttgtat atactgataa 240  
gcatcttgct atatataagg tggg 264

<210> 37543

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700945563H1

<400> 37543

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gatgtggagg aatacaccta tgtgacatgc cacgtaccta acaaacggtt cactaaggta 180  
tactatgatg gtggtgaagg tgaaattcgg agacattaca acaacagcaa cgttggagtt 240

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273

<210> 37544  
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<223> Clone ID: 700945564H1

<400> 37544

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gataatgct 129

<210> 37545  
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 <212> DNA  
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<223> Clone ID: 700945566H1

<400> 37545

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agcaacgatg gtagcggcag ctggagctct aggtttttga aggtggctag tgcagctgcc 120

gctacagccg ccgttgccgg cggtttatat gccattcttt catcctcaac ctctgctagc 180

tctgagatgg aagtgccgtt tggcagcgca cggcgtgaga gcaaagaacg tgacgatgggt 240

ggctccgggt ctcatcctcg cgaggggtg 268

<210> 37546  
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 <212> DNA  
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<223> Clone ID: 700945568H1

<400> 37546

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cttttctgca agactttgaa atcacgtgggt caaagactca tatcaggcaa attgatcaag 180

gcagatccat ccaactcatt ctagatcaaa actctggttg tggctttgct tccaagagta 240  
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<223> Clone ID: 700945569H1

<400> 37547

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 c 121

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<223> Clone ID: 700945570H1

<400> 37548

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 gatcgcttgg aacagctgat gagcacattt ggtggttttg atccaatttg ttggtggcag 180  
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<210> 37549  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945572H1

<400> 37549

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 atatggcatc catgtccaag gccatgacct cagaaatcaa gacgcatata tgtcaaaaga 120

aagacggtgt ttgtatcat tatgatccca cagcttgccg cgaaggagat gattataacg 180  
 ggaatataaa ttatgttttt gcatatatgg aagggtgatga cgatgatgat ggtgggttatg 240  
 attatgctcc cgcagcataa attgggttt 269

<210> 37550  
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 <213> Glycine max  
 <223> Clone ID: 700945573H1  
 <400> 37550

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 ctcatctctc ctcaaaaggg tagctgaatc taatgatctt aaccagcaac aactcctaca 120  
 ccaaaaggtc tcagttttcc atggcttgac tcgccccacc atctcaattc aaagctacct 180  
 tgagagaatt ttcaagtatg ccaactgcag tccatcatgc ttcattgttg catacgtcta 240  
 ccttgatcgc ttcaactcaaa ggcaaccc 268

<210> 37551  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945574H1  
 <400> 37551

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 ctgttatgct acttctactg ctgcagcaac aactcaagtt tcagggaatg aagagctgcc 180  
 aaagacaaac ctaaattgggc atgatgaaga agcaaaatgc ggattttttc atcataaacc 240  
 aatattcaag aaacatatc caattcca 268

<210> 37552  
 <211> 280  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945576H1



<400> 37552

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 cgaagagcac catttcgagt ccaaggccga cgccggagcc tccaaaacct accctcagca 120  
 agccggtacc atccgcaaga acggctacat cgtcatcaaa ggccgcccct gcaaggttgt 180  
 ggaagtttcg acttccaaaa ctggaaagca cggtcacgct aagtgtcact ttgttggaat 240  
 tgatattttc actgccaaga aacttgagga tattgtgccc 280

<210> 37553

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700945578H1

<400> 37553

caccaccatg agggacattg ctgggtgat caagagattt gagctcaaga tgattggaga 60  
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 actatataat aatttag 137

<210> 37554

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700945579H1

<400> 37554

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 tccagatctc tttctgccct tttctccgtc acgcttttcg tgaccggatc tgtatggatt 120  
 tgatccagat ctacacgccg atgggtggtt tggccgggtc tttcatagat ctggtgcgta 180  
 gaggctcaga tctacggtac cgaggtacaa cagagaatcg atgacaagaa cgcagatccg 240  
 acggtagatc cagccgattc cgcttggt 268

<210> 37555

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945581H1

<400> 37555

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aatgagcttc tagttaagaa ttttacagca aacatttagg tgtgactata tctggagtct 120  
ggattctgca gcacatttcc ttgatttttag tgcattttatt gtattttactg tctagctact 180  
ttacaagaat ggtatacggt gtatttttagt aattttttgt tgttggtacc tattgtcgta 240  
tgttatgggt gactgattca ttgcctcttt 270

<210> 37556

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945582H1

<400> 37556

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ggttcgagca agcgagccat aggaaagtac atagaacaag tctacaagga ccttccaccc 180  
actcaccctg ccttggtgac tcaccatctc aaccgattga aatcctctgc cctcctcgtc 240  
ctcgtcaaga aatcctacaa gcttcctgg 269

<210> 37557

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 700945584H1

<400> 37557

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tagtttcaaa ctcgatcatg tcggtgacgg tggtagagga aagacaacgt tcgtgaaaag 120  
gcatcttacc ggtgaat 137

<210> 37558

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945586H1

<400> 37558

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 caaagaacag aaaccatgcc tctgccataa cctcaagaac cccaatctca agaagtttgt 180  
 ggatccccta atgtcaggag agttgctagc acttgtggaa cactcccttc ccaaggtgct 240  
 aagtgttaat aaattggaag aggttttaa 269

<210> 37559

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945587H1

<400> 37559

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 agaagtacat tacatatgcc aagttgaata tttttccaag gttacaagat gctgatatgg 180  
 ataaactgtc acatgtctat gccgaactgc ggagggaatc ttcacacgga caaggagtcc 240  
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<210> 37560

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945588H1

<400> 37560

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 ttgttaaggc tgggattttg gaggttggtg tccaaacctt tggaggaggc ttgtggcaca 180  
 catggtttga tcgagacttg accgtggcgg ggagggtcat tgtgcaggaa gagaatgccg 240

gttctgtttc gtactcgcat cgccttg

267

<210> 37561  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945589H1

<400> 37561

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 ctatgcagtc atactgtgat gactacttca aactcacata cccctgtact cctgggtgctg 120  
 actactatgg acgtggagcc attcccattt ttggaacta caactatggt gctgtcggag 180  
 aagctttgaa gattgaccta ctaagccatc cagaatacat agagcagaat gccacccttg 240  
 ctttccaggc tgcaatttgg agatgg 266

<210> 37562  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945590H1

<400> 37562

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 actctccgag agcattttgt gcactactgg gttgaaaatg tatttggtgg agagcaaagg 120  
 aggtgccata acatgcatgt tcttggtctt tttcttcttg gggacatggc ctgctctttt 180  
 gactatgtta gaaaggcgtg gtcgtcttcc tcagcatacc taccttgatt actcaatcac 240  
 caatttcttg tctgctttac tcatt 265

<210> 37563  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945591H1

<400> 37563

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gcagcactgc taattctggg gcatttgtca aggtttccat ggatggagca ccttacctgc 120  
 gcaaggtgga cctcacaatg tacaaaagct acaaagagtt atctgatgcc ttggccaaaa 180  
 tggtcagctc cttcaccatg ggtaactatg gggcccaagg aatgatagac ttcataaatg 240  
 agagcaagtt gatggatctt ctta 264

<210> 37564  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945592H1

<400> 37564

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 atacggttgt gttcaatttg attatgtttc gtccatttga gaaggagatt attactgcaa 180  
 ggcttctttc atctgatget gatggcttac gattaaccat tggattctat gatgatattt 240  
 atattcctgc aagtcgtttg cccg 264

<210> 37565  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945595H1

<400> 37565

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 aaaacatttc ctgcgtgat tgatgtcgga aaagggccgg ccacttccaa aatttggtga 120  
 atgggatgtc aatgatccaa cctcagctga ggggttcaca gtgattttta ataaggccag 180  
 ggatgagaaa aagacaggtg gtaaccaga ttcaccagga aagactgcca ctgatcctca 240  
 tagcaaacct gctgtagagc ctggca 266

<210> 37566  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945560H1

<400> 37566

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 ctttgaccac tccattgaag aagatgttgc ctctcacatc catggcattg aaagaaagct 120  
 attggttgcc ctactaagtg cctatagata cgaaggaaca aagggttaaag atgacactgc 180  
 aaaatcagaa gccaaaatcc tttccaatgc aattaagaat gtcataaga agcctattaa 240  
 tgaggatgat gaagtataa ggatattgg 269

<210> 37567

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945601H1

<400> 37567

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 tttcctcatc atcacacatt aaaatggagg gtctaattcc atttgtgtac aaagctgtaa 120  
 tgcaatacaa gaatgagaaa caagggccta ttgggttcacg gctttgtgag tcaccttctt 180  
 actcatacat gaaacttccc ggcgactcag gtcggtttca aactctgctt cttctccgtt 240  
 tgggtcagac tatgggttttt ctgctt 266

<210> 37568

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945602H1

<400> 37568

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 ggcgacggcg aagggttagaa aggaggaggt ggttacacgt gagtagacca ttaacctcca 120  
 caagcgcctc catggctgca catttaagaa gagagctcct aaagctatta aggagataag 180  
 gacatttgcc caaaaggcca tggggaccac tgatgtgagg gtgatgtgaa gttgaacaag 240  
 tttgtc 246

<210> 37569  
 <211> 100  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945523H1

<400> 37569

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 gtgattacat acttaatgaa caagaaaaat tggttttgatt 100

<210> 37570  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945525H1

<400> 37570

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 tgacaaaaaa tcatactttc gtcattgcac gggagaaatg tatgttatat cactgagcttt 180  
 ggctaaattt atatcaataa acagatctat tcttcgtacc tatgcccacg atgatgtgag 240  
 tgctggatcc tggtttattg ggcttgatgt g 271

<210> 37571  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945527H1

<400> 37571

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 caccgagaag gtgatcgag agtacatatg gatcggtgga tcaggaatgg acctgaggag 180  
 caaagcaagg actctcccag gaccagttag cgacccttca gagcttccca agtggaacta 240  
 tgatgggtcc agcacaggtc aagctcctgg tgaa 274

<210> 37572  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945528H1

<400> 37572

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 aacacaactt tggccagaag acttggtggg ggcattttct tttcagccaa gaagggattc 120  
 ggtgttgatg agcaatattg atctgttgct gcagtagggg accgagtaag aatgccaaac 180  
 cagctatggg ttgcactgcc aatgattttac aaggatggaa agatttccca aagggactta 240  
 gagttcttct gcttgaagga gatagtagt 269

<210> 37573  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945530H1

<400> 37573

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 tcccattttt aagccagtac cgaaaccagt tcccatttat aagccaattc caatttttaa 180  
 gccagtacca acaccaattc ctttttttaa gcctatacca aagcctgttc ctattgttaa 240  
 acctattcct attccagttt ttaaaccat accta 275

<210> 37574  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945531H1

<400> 37574

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 tattaatgtc aatgactctg ttaccaagag caagtttgac aacttgtacg ggtgccgtca 120



ctctctccct gatggtctga tgagggctac tgatgtgatg attgctggaa aggtggctgt 180  
 tgtggctgga tatggtgatg ttggcaaggg ttgtgctgct gcattgaagc aggctggtgc 240  
 tcgtgtcatc gtgactgaga ttgaccccat ttgt 274

<210> 37575  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945532H1

<400> 37575

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 ttccgcattt caattttctc ttcacttggc aaagcccaaa ccaaaccctg gctgaagaag 120  
 agaattgact gagaagaaga acacagaaat gggctccgaa ctgattttca gagggcacga 180  
 gaccagccc gtggacgacg cgtactcacc aaagccccac aaaccctggc tcaccgtgac 240  
 tcgcccgatt cactacatgc tccatgagca gcga 274

<210> 37576  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945534H1

<400> 37576

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 aaaacccttc tctctggtaa gtgaataaga gaatggcttc agatcggaat cttcacactt 120  
 tcgaggaggt ggcaaagcac gaccagacca aggattgctg gctcatcatt tctggcaagg 180  
 tgtatgatgt cacccttttc atggaggatc atcccggagg tgatgaggtt ttgttatctg 240  
 caacagggaa agatgcaacc aatgattttg aagatgt 277

<210> 37577  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945535H1

<400> 37577

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 gccatggcca ctgctacgaa tgccgccgcc gccccaccac gccagctctc ccagaaggaa 120  
 gctgacatcc agatgatgtt ggccgccgac gtccacctcg gcaccaagaa ctgcgacttc 180  
 acaatggaac gttacatctt caagcgccgc aacgacggga tttacattat taaccttggg 240  
 aagacgtggg agaagcttca gctagcagct agggg 275

<210> 37578

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700945536H1

<400> 37578

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 gttggcctga acgtgccact cactggcgtg acggcgcaga tcacgccc aa cgcggtgtttg 120  
 cgagggtagc gtcacaatct caagttccag tctgtaacag tttgtgttag ttctgcacag 180  
 tgggagaacc cgcggagtca gctaccggag catatcaggg tcgttgagat gaacatgaac 240  
 gattcttggg tccgtgatat tggcctactt tt 272

<210> 37579

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 700945537H1

<400> 37579

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<210> 37580

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700945538H1

<400> 37580

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 gaaaatagga cagaacatat tgtataataa taataataaa aaacaacaga caagtttggt 120  
 gttcctgttc taatctctgg accatgtcat acaactgaat ctaattgcaa ttcctgtgag 180  
 ccgtggcaaa gcttttgaat ttagtgctc tcctctctgt ttacccttcc agatattgca 240  
 gatacagcaa gatcatgagt gggacttcgg aaaa 274

<210> 37581

<211> 128

<212> DNA

<213> Glycine max

<223> Clone ID: 700945539H1

<400> 37581

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 accacagttt cctcagctcg gtcacaagtt ggttacacta gtgctaagaa acaatagggt 120  
 caggtctg 128

<210> 37582

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700945540H1

<400> 37582

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 gcattggtgc tggatatgtg ggggggtccta ctatggcagt cattgcactt aagtgcccat 120  
 ccattgaagt cgctgttggt gatattctcta aaatctcgca ttgcagcctg gaacagcgac 180  
 cagcttccta tctatgaacc tggccttgat ggtgttgatga agcaatgccg tggcaagaac 240  
 ctcttcttca gcaactgatgt tgaaaagcat g 271

<210> 37583

<211> 130

<212> DNA

<213> Glycine max



<400> 37586

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ttacaatgaa ttctgtacaa tcaatgatga ctaagttctg gattgctacg tctgtt 116

<210> 37587

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945547H1

<400> 37587

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tttccgcaac cttgaggacg aaaccgatg attgatgatt gaagatttgg tagtttgctc 120  
aaatattgtg ttatttccaa ttgtaagacg cagtgttagc atcgagggt tgcaacgtcc 180  
cgagtgttct catatttgac tgttcgattc attcatatca catttatttc ctttcttgg 240  
gctggtttgg cttttgatct agtctcatgt gtagc 275

<210> 37588

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945549H1

<400> 37588

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ggaggacacc attttgagcc ttgtgagtga aagtccagaa agtaaagtgt tctctgcttc 120  
tatttgaggg aaagaacaat gagaacagct tccacttgta aaagacaact cactgccttt 180  
tgatcatgca agatgttaaa ggaattcata tgtgtgaggt gaaatgaaag tagatagggg 240  
atgaaaatcg atcagaaaga ataataagagt tatag 275

<210> 37589

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700945550H1

<400> 37589

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 gaggtcaata ttacataac tcttctctct aacgttcatt ccaagcaatt ctactgtaag 180  
 attcagtcca agcacctcga acttggcatc aaaggcaatc ctccgtatct caaccatgat 240  
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<210> 37590

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945551H1

<400> 37590

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 ggggtggggcc taatcctgcc agtgggggca attattgcta gatacttcag gtataaggat 180  
 cccctatggt tctatctcca ttcagtcatt caatttgtgg gattttcatt tgggcttggc 240  
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<210> 37591

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700945552H1

<400> 37591

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<210> 37592

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700945521H1

<400> 37592

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 ttggccaagt gtgacaatgc tctctaaagt tctgaggcaa ctacaacaat tccttcttct 180  
 ggtgttacac cagcaciaag aatcaaaatg gagaatttca ggaagaagca catgacatac 240  
 tcctactgct atgcaaagtc agatacaaag tccctc 276

<210> 37593

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 700945554H1

<400> 37593

tggaaaacgt ggagcagata aaagaggaga tagagaagat ggtggcaagt tctagttcag 60  
 aaggaacagg agtaccctta ttgagagcat ctgataataa tggaagagat caaaacacaa 120  
 gatcccccc 129

<210> 37594

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 700945555H1

<400> 37594

ctcactttca ttttaaaatg ggttatctat acttcttgag tttcctgttt gctttatgcc 60  
 tctcatctcc tcacaatggt ttgtacagct caaaatttac catacaaagt tgtgaatcta 120  
 ggaaactggc 130

<210> 37595

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945556H1

<400> 37595

cttcaaactc ccttttggct tttctaagtg ctgtgattct ttctgtcatc tttttcttca 60  
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 gtcatacacc caattctaaa ttagagttgg gatgtctgga ggagtagttt gatacagtga 180  
 tgcacttcca cagatacttg agtaaagcta tatgctgtgg ttagatattt tactatggag 240  
 ttaaatgcaa gttatgacgt cgagcattc 269

<210> 37596

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700945558H1

<400> 37596

cttctccctt tttctctctg tctctctctc tcggctctgc tcttattctc atcaagcaca 60  
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 agaccactc ttggtggcac gcggattaag acccgcaaac gaaatattgc tgcgccgctg 180  
 gaccctgcag cattctcgga tgcagtggtc cagatttatt tggataatgc tggtgatctg 240  
 gaacttattg ctaagagtat tgaatcttc 269

<210> 37597

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700945487H1

<400> 37597

gacggcgcgg actgagactg gggcttccgg gattgcagtc tcccgaacga gattcagatc 60  
 tttgcttgag aagttcaatt cagtttgatg aaaaaccact gtttcctttg catcctgcta 120  
 ctgatgatca ccattcctca tcaaagcctg ctgttttggg taacaaaaga gggttctcag 180  
 atgtcatgag tggattcgcc gaggagaaat tgcttgtag ttctgaggtc aacacaa 237

<210> 37598

<211> 249

<212> DNA



<213> Glycine max

<223> Clone ID: 700945488H1

<400> 37598

gatgccatca actttgactt gcctcatgtg gttgccactg ctctaagtt cgatgggac 60  
 acccatgttg gaggtgacat gttcgtgtcc attcctagtg ctgatgctat ttacatgaag 120  
 tggattctgc atgactggag cgacgagcac tgcataaga tcttgaagaa ctgcgggaag 180  
 gcattaccgg agagcacagg aaaagtcata atgggtggac gcgttcttcg acccgaaggc 240  
 aacgatctc 249

<210> 37599

<211> 185

<212> DNA

<213> Glycine max

<223> Clone ID: 700945489H1

<400> 37599

cattcactcc caatatgatg gaattggaag ccaccgcgc tacttcccca cttctcgcg 60  
 ttctctcat ctccgcgggt gccagccaca ccgttgccct tctctctggg aatgttgtgt 120  
 gttcgtgggg tcgcggagag gacggacagt taggcgatgg tgacaccgat gataggccct 180  
 tacco 185

<210> 37600

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 700945490H1

<400> 37600

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 aattgaagca cttgatctga gcataccaag gaagcttctc ttgtgggcct atgtgctatc 120  
 ccatggacgt tgtgcaaata tctcaattgt tgtaaagcat tgtgaagaaa tgtcgaactc 180  
 aagtatgaaa agagga 196

<210> 37601

<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945491H1

<400> 37601

gaaatgatca gcttggcagt gcacagaaac ctctctcaaac tgtatggatt ttgcatgaca 60  
ccaacagaaa ggcttttggg ttatccttac atgtccaatg gcagtgttgc ttctaggctc 120  
aagggttaagc cagtgttggg ctggggcaca aggaagcaaa ttgccttagg agcagcaagg 180  
ggactactat accttcatga gcagtgtgat ccaaagatac tccatagata tgtgag 236

<210> 37602  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945492H1

<400> 37602

aaaacaaagt atagagtgaag agaattgggtg agaaaagcaa gattttgatc ataggaggca 60  
ccggctacat cggcaaacat atagtgggaag caagcgcaaa ggctggaaat cccacttttg 120  
ctttggtgag ggaatccaca ctctctgacc cctccaaggc acaactcatc cacaattttg 180  
aggctttggg cgtaattttg gtccgcgggg atctgtacga tcatgag 227

<210> 37603  
<211> 206  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945493H1

<400> 37603

tcacgaatgc gataaacagt gttgaaggat ctgtgcgtga gttcttgggtg aaacaaagga 60  
atcgtagatc cgtttggttg ttagtgtttt ttttttttgt cagagaagag aaccgatggg 120  
gttgtgggaa tcttttctca attggcttcg cagcctcttt ttcaaccagg aaatggaatt 180  
accccgatt ggactccaga atcctg 206

<210> 37604

<211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945495H1

<400> 37604

tgttggaagt tggcaatgga ggcattgactt accaggaata tcgtgctcac ttcagcatct 60  
 gggcttttagc aaaggctcct ctattgattg gctgtgatgt aagagatttg actgctgaaa 120  
 cacttgagat tttgagcgat aaagaagtcg ttgccatcaa tcaagactct cttggagtcc 180  
 agggaaggaa agttcaagtt tctggagcag atggttgcag acaggtttgg gcaggtcctt 240  
 tgtcaggaaa ccgattggct 260

<210> 37605  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945502H1

<400> 37605

ggcatgtcgc tctgttcttt catcttctcc tcacataacg aacttcatgg ccatcaagga 60  
 ggggtgtcctc tccttcgcac ccaaccctcc tctgttctt cgtctcccga aagccgttac 120  
 ctttctctcc ttttctgctt ccactaaacc cccacttag tcttttcaag tgagatcagt 180  
 tgctgggtact acagaagctg catcgggggtt tgatgagatg atttctggga ctaagaggaa 240  
 gtattacatc tttggtggga aagggggagt atggaagaca agt 283

<210> 37606  
 <211> 144  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945504H1

<400> 37606

ctctcttata atctttgtta ttacctcttt ccaaagtcca aattttctag ttccacaaa 60  
 ccaaacaaa ccaaatggc agcagcctca gcctcatcca tgatatcaac accagcctta 120  
 tctccaacca tccaaaagca ccat 144

<210> 37607  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945505H1

<400> 37607

atatagccca agccctatac aaccaaacc taacacacac ccatttgatt cagtttccat 60  
 ggctagcctc aaggttgcac ttttggtctgc agtgctctgc atggttgtgg tgagtgcacc 120  
 catggcacat gcagctatca cgtgcgggca ggtgacgaat agcctngatc aattgcatcg 180  
 gttacctcca gaacggagga acgccgccgt cgggatgctg caacggagtg aagagcctca 240  
 atgccgccgc caagaccacc gccgaccgcc agacggcgt 279

<210> 37608  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945506H1

<400> 37608

ccgctcgagc ggctcgagcg gctcgagact gaactcatct cactacatta atattccctt 60  
 gggcttcatt aattgtgaca tttagctttt tttattgaac cgtgtcaatg gccgctacta 120  
 tgaaggcttt agcttttgtt gctttgcttg ttaccattaa tgcaatagtg tgtgaaagta 180  
 gagtggcgag aaaggacctt ggattggacc ttggtggggt gggaattggg gtgggtgctg 240  
 gggttggact aggccttggg ggtgggggtg gtgc 274

<210> 37609  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945507H1

<400> 37609

gcaaaagtta agggatgaga ttgacagagt tcttgagca gggcaccaag tgactgagcc 60  
 agacatccaa aagctcccat acctccaagc agtgggtcaag gaaactcttc gtcttagaat 120

ggcaatccct ctccttgtag cacacatgaa cctccacgac gcaaagcttg ggggctatga 180  
 tatcccagct gagagcaaga tcttggtgaa tgcattggtg ctggccaaca accctgcaca 240  
 ctggaagaag ccagaggagt tccggcctga gag 273

<210> 37610  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945509H1

<400> 37610

gcagaaacga gttcccatcg aattaatgga acaaattgct caatttcaag attctattcc 60  
 acaaattctga aattacttga tgcctttgat gatgagtatg ggggagttgt tgttcatccg 120  
 gataggttac catccaaccc atataccttt gcatctgtgt tgcgtttgtc tctttctcag 180  
 tggaaaaaga tgggaaagaa gggaatttgg cttaagtgcc cttagaacaa tctgatcttg 240  
 ttccaattgc tgtgaaggaa ggcttccaat accaccat 278

<210> 37611  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945510H1

<400> 37611

ggcactcaga gctaaggga tcatgaaga tcttcgaaac tatttgacat tcttctgcct 60  
 tggcaaccgg gaagtgaaga aaccaggaga atatgagcct tctgagcaac cagatcctga 120  
 ttcagattat cagagagccc aagaggcccg acgattcatg atttatgtcc ataccaagat 180  
 gatgatagtt gatgacgaat acataatcgt tggatctgcc aatatcaacc aaagggtcaat 240  
 ggatggtgct agggactctg agattgccat ggggtgc 276

<210> 37612  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945511H1

<400> 37612

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gccgagcaaa ccttcatcat gatcaagcca gatggcggtc aaagaggcct tattggcgag 120  
attattagca gatttgagag gaagggtttt tacttgaaag ggttgaaact cgttactgtg 180  
gaccgtcctt ttgctgagaa gcactatgct gatttgtctg caaagccttt ctttagtggt 240  
ttggtggatt acattgtctc tggccctggt gttgccat 278

<210> 37613

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945512H1

<400> 37613

atgctcacta cttcttctca acttcatagg ctttcttat tcttccttct aagaaaccac 60  
ttcaaactcat caacttcctt agacttacac accctttggg ctgtaacaag caatctgac 120  
ctcttggtat cattcagatt gatttctctt ctagcacctc gatcaaaggg ctaaaaaatt 180  
tgctacttat tgcacttttc ttttcatggt ttgatacatc ttattgattt tagtgctatt 240  
tcaaggggtg aatttgagac atgggtttga gttct 275

<210> 37614

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700945513H1

<400> 37614

tgctactgag tttccacact gcatacctta ggtcttccga attcgaagtt aatttgcaag 60  
atggctaagg aaaaggctca gatcaacatt gtgggtggtg gtcattgtga ccctgaggag 120  
gcaaccacca ttaacgagct gaagaagcct gttgtggaga aagaagctcc agggcatgcc 180  
atatgagggc atgcacgtac ggcctcggag gggaaccaga aaattatgtt aacaaaaataa 240  
tctggaaccc taatgtatca gtgtcatcat cagtgt 276

<210> 37615  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945514H1

<400> 37615

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 gctgtgggaa aaagcaccca agcctttcaa tgtcatcctt cattactata acgaaaacat 120  
 caccatggag aatctctgca gacttcatgg ctggggagtc cgggagtacc ctagacgtgt 180  
 ttatgatgcc gtgttgttta gcaatgagtt ggaaatacta actttgctgt ggagagaatt 240  
 gtacccttac ataactgaat ttgttgttct tgagtc 276

<210> 37616  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945515H1

<400> 37616

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 ttgaaagtgg tgggactagt ccaaagtcga ttagatgttt ggctgaacct agagttgtaa 120  
 ggaggatcag aattgttgct gaacaaactc ccattcagca catacttcaa cccccaacaa 180  
 tcgcctctct attggccatc atcattggca cagtgcctca gctgaaagct gtgttctttg 240  
 gatatgatgc tccgttatct ttcattactg acagttt 277

<210> 37617  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945516H1

<400> 37617

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 ccacagtact tgttcttgtc ctaaacttat ctttcttctt cctcttctgt ctccttctaa 120  
 aggcttatta tctccaccct cctaactcaa attctcaatc taatggcccc ctcaaaacct 180

002220"ETFE560

tcaaccatga aagattgttc agagatgtta gtgttgaagg ctgttgtgac ctccacaagt 240  
actcagatta tgagtccaaa tgtttgtatg tgaagagcca t 281

<210> 37618  
<211> 148  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945517H1

<400> 37618

cgttctatat cactctcaac ttactctctc ttcaatcagt tgcctattcc ttgctactcc 60  
aatggccact gtcgaggttg tgtcagccaa ggttgccctc ccagaggaca caaaagaggc 120  
atcattgaag gttgacgagg agaagaac 148

<210> 37619  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945518H1

<400> 37619

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caagttgctc agttccgaga agcagttaag aaggactatt atttccagat gtactatgat 120  
gccttgccga tctggggatt tattgggacg gttgacaagg aagggacaac tgaccctagt 180  
gagtacaagt atattcttta caagcacatt cagttcgata ttcattacaa caaagatcgc 240  
gtcattgaaa tcagtgcccg gatggaccct cattctgt 278

<210> 37620  
<211> 144  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945519H1

<400> 37620

cattttcttt ttttagtttc attgacgaaa tataaaagtt tctgaccgtt caatgcaaac 60  
tcctgggcaa gactaaaagg tagtttgaat gctgtgaaag tatggttggc cttcaatttt 120



ccaagttcct aagatgagcc aaaa

144

<210> 37621  
<211> 112  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945520H1

<400> 37621

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cgatgggagc gtccacttcg gcggaccagc agtgtcggct gacagaaaga cg 112

<210> 37622  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945486H1

<400> 37622

cgccctattg aaagagaaga aagagtttgg cactgataat ggcgggaaag gaaatctaac 60

tataaaaccc taaccctaaa ccatttcgaa tcggaatcgg aagaagataa tgtcggagggc 120

ggaggagcta ccccggtcta ttgtgcgccg cgtagtgaag gataagctgt cccgttgctc 180

cgaagacgga gaaatttccg tcagcaaaga cgctcttctc gcattctccg aaagcggtag 240

gatcttcac cactac 256

<210> 37623  
<211> 174  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945458H1

<400> 37623

gtaaatatga aggatctttt ggaagctgta gtccatttg atatattgtt ggatcggaga 60

aaacgggcta actatctcag tagtattggg aataatctag agacatgcac gaaaccaaag 120

gttggtcaag atgctgggtt agctttggca tcaatgttat gttccgggaa tgga 174

<210> 37624  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945460H1

<400> 37624

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 cctttttatgt ggtaggaat atcgatgaag ctactgcgaa agctacgaac ttagaaatgg 120  
 agagcaatgt gaagaaatga ctttaaattct ttgtgtactg accccaatc gaattgtttg 180  
 ggattcggaa gtgaaggaaa tcattttatc tactaatagc ggacaaattg gagtattacg 240  
 aaatcatgcg cctattg 257

<210> 37625  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945461H1

<400> 37625

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 actgaatctt gggcagatgg actcaaactt gccagggata tcaactatca gtttccacag 120  
 cttgctagtg tacatctctc tacactgatc ccatccagaa gtgatgatgc gatcagcctt 180  
 gtgacatcac tttgttcatg ggatccctgc aagagaccaa cagcagcaga ggctcttgaa 240  
 catcctttct tt 252

<210> 37626  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945462H1

<400> 37626

gacgaaactt atctctcaca ccgccggaaa cttcgccgga gtcttttgcc atggcaaggc 60  
 ctccgctatt ctaccaatcg ccccgccaat tcttcccttc tttgccgaac ctctctttcg 120  
 atctcgccac ggtgtcttct tcgaagctct cggttctctt ctctccttgc tccactccgg 180

agcacgagat gcttaccgcc agtttttcgt cgattccatg tcgctcattc aagatattct 240  
 atacgtgtct tcaactcagtg tt 262

<210> 37627  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945463H1

<400> 37627

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 aaccctttctc tctgtgatta agagaatggc ttcagatcgg aaacttcaca cttttgagga 120  
 ggtggcaaag cacaaccaga ccaaggattg ctggctcattc gtttctggca aggtgtatga 180  
 tgtcaccctt ttcgtggagg atcatcccg aggtgatgag gttttgttat ctgcaacagg 240  
 gaaagatgca accaatgact ttga 264

<210> 37628  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945465H1

<400> 37628

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 accctagctc cgcacgcaa ccatgtcgac caagcaaggt ggaaaagcta agcctttgaa 120  
 gaaacccaag tctgataaga aggattacga cgagattgat gtggctaaca ttcagaagaa 180  
 aaaggaagag gagaaggcgc taaaggagtt gaaagccaag gcgcaacaga aggggaagctt 240  
 tggaggtccg gggcc 255

<210> 37629  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945466H1

<400> 37629

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 actgagtcct tctgttgagg gggaagggca aaataatggc cttgttatga acttctacaa 120  
 ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180  
 ccacaagaac actgctttct cctgggtcag gaacatcttc catgactgtg ctgttcagag 240  
 ttgtgatgct tcgactgttg 260

<210> 37630  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945467H1

<400> 37630

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 ttgttggttaa cattggtgat cagcttgagg ttatcaccaa tggtaagtac aagagtgtgg 120  
 agcaccgtgt gatagcacia acagatggga ccagaatgtc cattgcctca ttctataacc 180  
 ctggcagtga tgctgtcatc taccctgtc cagaattgtt ggagagggag gcagaatgga 240  
 aaaaccagct ctaccca 257

<210> 37631  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945468H1

<400> 37631

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 tgtctggcct aaagggttaa cgaagatgat tgaggatgtc atgatgcaag cgaggaaggg 120  
 aatcgaagga tctctctctc tcatcacatg atcattcagc gagcaatagc atagtgtgaa 180  
 atttgagtga gcgagcgagg aatcggaaga aaacgaaacc ctaagaagaa gatgccgaag 240  
 aagatggggg tgaac 255

<210> 37632  
 <211> 234

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945469H1

<400> 37632

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 tcaagacctc gagaacaatg atgaatgtag gaaaaatggg agcctgaaaa ggtaaataga 120  
 ccagagtgat gtctgtggat ttagaagttg cttcaaaaat cattatgatt cgcttccgaa 180  
 tcggaggtgc ttgaggagtc gagaagaagt gattggggat acgatggaaa tgga 234

<210> 37633  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945470H1

<400> 37633

gcttctgtag ttaatttgct tccctttttt cacactcact ctactagaa tggcttcctc 60  
 tgttgcttta gttttgggtc tatgtctagc actcaacatg gttctgccga cacgtgcagc 120  
 tgcccacaca gtgggagaca cctcaggttg ggcactcggg gctgattaca gtacatgggc 180  
 cagtggcttg aaattgaaag tcggagatag tcgtgttttc aattatgggg ctggtcacac 240  
 agtggacgaa gtgaa 255

<210> 37634  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945471H1

<400> 37634

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 aacaaacgtg tgccttcgca ccacagctgc acgtgacata tacaggaaca tagtagtcca 120  
 caatgtgaca cacatgtgct gtgcccccggt tgtgttcaac gtaatcttgg aggcaagaca 180  
 aagtcaaagg attgacataa aggtaataag tgggaagaga aa 222

<210> 37635  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945472H1

<400> 37635

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 taaaggaatt gtttttattg ttgctctggg ggccatttgc cttgggtggga aatgggtgga 120  
 agcgcaggtg catcatgttg tcggagcaga ccgtgggttg gatcaaact ccgacctcgt 180  
 ttcttggctc gcaagcagag tcttcagggt tggagaccaa atttggctca cttactctgt 240  
 ggctcaggga 250

<210> 37636  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945473H1

<400> 37636

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 ttcttcagct ccaacttcaa acgcgctttt ggtagaagaa gcttcaccgg gatcactggg 120  
 gtgtgtgtga gagagaggga ttacggatta gtgagttttt tgtcactaag ttagagctac 180  
 gtcgtttcat gattgt 196

<210> 37637  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945474H1

<400> 37637

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 atgaggttct gagtgaccct gagaagcgtg aaatttatga cacatatgga gaagatgctc 180  
 ttaaggaagg aatgggtggg ggtggcgggt gccatgatcc atttgatata ttcagttctt 240

250

<400> 37638

<400>	37639
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<400>      37640

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tcatgaaacg tatgtgcttg ccactagcct ctttacttct cctagcaata gtaatcgtag 120





<400> 37643  
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 cgttctcgtc actggagctg cagggcaa at tgggtatgct cttgtcccta tgattgctag 120  
 gggagtgatg ttgggtcctg accagcccgt gatgagccct ctgatggata atacgatga 180  
 tgaacttcat tgcgaaggaa aaaccattga agacattgta caagttctga acaggactcc 240  
 aatgcacccct cgcattgt 258

<210> 37644  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945482H1

<400> 37644  
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 gactccagta actcattgtc tagtgaagac agcaacagca acgataaaga ggggtccatt 120  
 gatgaggaaa ggtcgtcacc aattgcacat gcggttaagg ttgagcatga cactgacact 180  
 ggaaacagct tgaaggaaaa tgaaaaccct aaagtgttga cagaagactc atgcatggac 240  
 agcttggtt ctgagag 257

<210> 37645  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945483H1

<400> 37645  
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 gcaagtgatg acgtcgaaac agacatacag cgtgtgcttc tgctggcggc ggcggttcaa 120  
 gctggcgctg gcggaggcgc cgtcggaat caagacccta ttcaatgagt actccgagaa 180  
 tgagctcatg acaccttcgc atcttaagag attcctggtc gatgtgcaga ggcaacagaa 240  
 ggccactgaa gaagacg 257

<210> 37646  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945484H1

<400> 37646

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tgatgttctc ttccattatt tgggtacaga tcctgctaata gataatttca cttttgtgga 120  
cgaaaactcc ttatgggtcac cttcaaaacc agtcaaccaa cgtgatgctg atctcatcca 180  
tttttgggat aagttccgca aagctcctga gggttctctc aggaaaaatg cagctcagaa 240  
acaagttttg gaag 254

<210> 37647  
<211> 197  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945485H1

<400> 37647

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gctccaagca cctgtactca agaagtaccc agctcgctc tctgtcactt cctatacgtg 120  
tttctttgga ctcatccaat tccttgatc tgctctgac gttgaaagag atgctcaggc 180  
ttggattttc gaatctg 197

<210> 37648  
<211> 205  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945457H1

<400> 37648

actacataga aaaataaaac caaacctttc ttctactac tcccattccc acatttcgac 60  
aacatggacg aggacttcga catgccgacg gcggaggcaa tgggagagga cttcgacttc 120  
gccggcgcca ccggcggcga cctcgacggc agcagcagca accccatctt gagggtcggc 180  
gagtataagg agattggaaa agggg 205

[illegible]

<400> 37649

<210>	37650
<211>	242
<212>	DNA
<213>	Glycine max

<400> 37650

<210>	37651
<211>	147
<212>	DNA
<213>	Glycine max

<223> Clone ID: 700945430H1

15087

agattaacac tatccgtact ctcatca

147

<210> 37652  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945432H1

<400> 37652

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cagagttttt caaaaaggag cctaggcgga caatgaatgc tagtgagtgt gttgctaggg 120  
gctgtgctgtt ggaatgcgca attcttagtc caacgttcag agtacgagaa tticagggtca 180  
acgaaagcgt tcctttctcg atttctcttt catggaaagg ttctggtcga gatgcacagg 240  
acaatggatc agaaaatcag cagagtt 267

<210> 37653  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945433H1

<400> 37653

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agtgaaccc aaaattacga ccgaaagaga agagcggttt agaagtga aaagatggg 120  
ttgtcgtcca cgaagctgtt cagcgggttt ttccgaaaa aggaatggg gatcctgatg 180  
gtaggccccg atcctgctgg aaggacaacc atctttaaaa accccaacct tggaaaaatc 240  
gtcacgatta tccccacaat gggtttt 267

<210> 37654  
<211> 137  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945434H1

<400> 37654

gctttgccat tcctcccaac cagcatctat cttcaggtag ttggtattac tagtgagtaa 60

acctttgtat tctttttag ctgcttccaa agggttaata accagctgca aatcaattat 120  
tggtgactat attattg 137

<210> 37655  
<211> 249  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945435H1

<400> 37655

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caacacattc aaatctacca ccaatcaaca acaacaaaaa caacaatatc aacaacttca 120  
agctcatcaa caacaacaac aacaacaaca cactcagctt cctctaaacc taccattctt 180  
cttctacca acaataccat caacctttnt tntatctnat nctcttnaac cctattttcc 240  
catcatata 249

<210> 37656  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945436H1

<400> 37656

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tcaagaaggc ccatgaaagg gcatggaagg gagatgattc agttgggtgt tcgaattgct 120  
gatgccccag cagaagggga aaatatgaca ggagcctcca aagatatgaa tgtagaatct 180  
gttccttcct tgtttcaaga tattattgag cgtatggttt cctcgcaagt gatgactgtg 240  
aagcctgatt gctgcgttgt ggat 264

<210> 37657  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945437H1

<400> 37657

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 caagaagaag aagaagaaga tgccttcttc agaatacatca acaggcttct cggaaaccat 120  
 ttgtgtgacc ggcgctggtg gcttcacgc ctcttgatg gtcaaactcc tcttgagaa 180  
 aggctacact gtccgaggaa ccctcagaaa cccagatgat cccaagaacg ggcacttagg 240  
 agattttgag g 251

<210> 37658  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945438H1

<400> 37658

cacccgcctt gctagtattc cgggtcgtaa tgagtccttt tggaaggaac ttgattatgt 60  
 caagaattta tggaagaaca ggaaagagct aaagggtgaa gatgcaggca ttgctgcttt 120  
 gtttggcctg gaatgctttg cgtggtattg tggtggtgag attggtggaa ggggatttac 180  
 tttcacgggt tactatgtct aataataacc acttggaag tgtagatttt atcggggcca 240  
 tatactccta aagccaactg ct 262

<210> 37659  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945439H1

<400> 37659

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 ggatcaagaa agggactgtg ataagtggcg ccaaaggacc tgctgaaaac tcagaatttg 120  
 agcactcttc aattcctgca accataaaga agatgttcaa cctttctgct aactttttga 180  
 ctcacagaga tgcattgggt gggacctttg agcatgttgt gggggattta ggttcaccca 240  
 gaacaga 247

<210> 37660  
 <211> 236



<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945443H1  
 <400> 37663

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 ttcaaggagg gccttggaaa ctgagatgcc cgttatgggt cagatgcagg aattgctccg 120  
 aggagctaag aatgccgtgt ctttggccca gggggtgggt tattggcagc ctcccaagca 180  
 agctttggaa aaagtgaaag atcttgtatc tgagccttta atggatcgtg atggtagcga 240  
 tga 243

<210> 37664  
 <211> 228  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945445H1  
 <400> 37664

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 attaagtact tgtgtcattt tctctcgaag caagaaaaat gttcatcgag agtttcaagg 120  
 ttgagagtcc taacgtgaag tacacagaga ctgagattca gtccgtgtac aactatgaga 180  
 ccactgaact tggtcacgag agcgataatg gcacttatca gtgggttt 228

<210> 37665  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945447H1  
 <400> 37665

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 gtcattgcac caggagggtt ctatgatgca aactgggttca acaaatttat aagcaaatca 120  
 ggaaaatcta ttgatgtgg cactcaccac atttataacc ttggaccagg agttgatgaa 180  
 caccttgtgg aaagaattct ggacccttcc tatcttgata aagagggttag cacattcagt 240  
 ggcctaaaaa atatacttgc aggtta 265



<210> 37666  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945448H1

<400> 37666

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 tgccgccgaa gttcgacccc tcccagatag tcgacgtctt cgtccgcggt accggcggcg 120  
 aagtcggcgc ggcgagttcc ctggccccga agatcgggtcc cctcgggtctc tcccccaaga 180  
 agatcggaga agacatcgcc aaagaaaccg ccaaggactg gaacggcctc cgcgtcaccg 240  
 tcaagctcac cgttcagaat cgtc 264

<210> 37667  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945449H1

<400> 37667

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 tcgactcgac aatcatcgag tgtgatagtg ataattgggt tcttgacgag tttggtttaa 120  
 cagaaaagtt ctatcagctt cttcctaaca tgctttggaa ccctctgatg gataagatga 180  
 tgaatgaact tcgttcacaa ggatgaacca tagttagata aagactcatt ttggcggaaa 240  
 aattccggat cctgacct 259

<210> 37668  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945450H1

<400> 37668

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 tgttcatgtg tcttcaatag atggtatatt tgaattgaaa gcatagtgac aatttcttga 120

atgttgtttc ttgacttttg agtttatctc caagacttca aataagttgg ctctctccta 180  
 caatttcctta aatgcttatg ttcgatattg agaatcaaac aagacttggt ctgaggcaca 240  
 acacgttttt gaattttg 258

<210> 37669  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945451H1  
 <400> 37669

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 aagaaaagaa tatcgttcgt tcgctcttac cttcttcacc ttccttcctc tctctctctg 120  
 tactatgtaa ccgtgatccg gaacttcgac ttctcggaat ccttctcagt tgtcttggtg 180  
 gaatctgtct atgaatttgt tattagcgta tcaaagcttt ggtgtggtgt attgaggtct 240  
 gagcattctc ctctct 256

<210> 37670  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945452H1  
 <400> 37670

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 gggaaagtct taccctactg tgagtgctga ttaccagaag gccgttgaga aggcgaagaa 120  
 gaagctcaga ggcttcatcg ctgagaagag atgcgctcct ctaatgctcc gtttggcatg 180  
 gcactctgct ggaacctttg acaagggcac gaagaccggt ggacccttcg gaaccatcaa 240  
 gca 243

<210> 37671  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945453H1

<400> 37671

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aagatgacag caaagtggta tctcattgtg tgtgtttag cgatctgggc cgttgatctg 120  
ggttcatcat cacaccatgc cegtgcceca gcaccagcac cgtcagtga gtgttcaaac 180  
ctgggtattga ctttatcgga ttgcctcacc ttcgtttagca acggcagcac cgtcaccaag 240  
ccacagggaa catgctgctc 260

<210> 37672

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945455H1

<400> 37672

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tccgatacta accccgcgat gctccgcgc gcaaccacct ccctcatctc cggcgcctcc 120  
cgccgcgcgc tctccaccga cgtgcgcggc acgcgcggc ggattccgtc ttcgcggagg 180  
cgtggaacaa agtgagcccc aacatcgacc cgccgaagac gccgctggcg tacatgaacc 240  
cccgaccacc cactcctt 258

<210> 37673

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700945456H1

<400> 37673

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gcgtttctca cttcgttgat gatcacggtg cttacaaggt gacaattgtg gctatggagc 120  
attatgagcc accagtacta gcttgtgctc ttaatgaggt tcttaataaa attactgaag 180  
ataaatcttc cttgatacct acacttttgg taccattttt ggtggaatcg tccaagggtta 240  
aagggcacag taaatcccta 260

<210> 37674  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945427H1

<400> 37674

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 aacaagtacg ctttcgcatg tgctatcttg gcttcaatga cttccatcct actagggttac 120  
 gatattggag tgatgagtgg tgcagcactg tacatacaaa gatattctaa ggtatcggaa 180  
 ctgcaaactg aaatcctgaa cggatcata aacctctact ctcccgtggg ttctttcatc 240  
 gccggcagaa cctccgactg gata 264

<210> 37675  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945401H1

<400> 37675

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 atagaatgga aacatgtgca gcaacttagt tatactcaac gaaggaggat atgtggagat 120  
 aagtagataa atgttattat aagctctgtc atttgtcaga acttcagatc gtggatgtgg 180  
 gatagagttg ggtgggtggg tgggtgtggtg ttgggaagta ggggaaggtg agtcgtggag 240  
 tgggtggggg ggggg 255

<210> 37676  
 <211> 282  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945402H1

<400> 37676

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 cgacgccggc tccgaactcg tgcgcaggat agcgaagatg gcgccaggga ttggaggctt 120  
 cggtggttta ttccctctcg gtgactcgta cctcgttgct ggtaccgatg gcgtgggaac 180

gaaggtgatg cttgccttcg aaactggaat ccacgatact attgggattg acctggttgc 240  
 gatgagtgtg aatgacattg ttacttcggg ggcgaagctt tg 282

<210> 37677  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945405H1

<400> 37677

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 tcgaggacgt caagaaaaac cccgacgccg ccgctctcgg caccgtcatc cgccgccgcc 120  
 ttcagctcat gatgtacaac aacatgtacc gcataatgtt cgaccggagg ttcgagaccg 180  
 aggaggatcc catcttcggg aggctaagac ccttgaacgc agagaggtct cgcttggcgc 240  
 agagctttga gtataactat ggt 263

<210> 37678  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945406H1

<400> 37678

cagaactaga tctagggttt attttccttt tcattttgaa tttgaacaag ttttgcgtct 60  
 tcaaagaaat aggatgggag aattgaaaga cactgaggct tacgaggaag agctcatcga 120  
 ctacgaagag gaagaagaaa aagctcccgga ttctgctaaa cccgttgctg aatctggcaa 180  
 gaagggttat gttggcatcg atagttcggg atttcgagac ttctgttga aaccagagct 240  
 tcttcgagcc attggggatt caggatttg 269

<210> 37679  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945407H1

<400> 37679

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aataatccaa gtaagttcct atttgatcta tgcatagtat gtgttcatat ctcaaaccctt 120  
ttttattctc tagtgtgaag catagaaaact gaataattat gagagagatt atttaagtta 180  
tgagtttagg actctcagca ccacgctata catgcattgc atgaaacttt gatgttgtac 240  
gtcattcttc aaaatatcat ttgatcttg 269

<210> 37680  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945408H1

<400> 37680

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cgaacccac cgttgtccag cacattctgg ggaccggctt ccctgtgtac cccaagggcc 120  
tgactctgaa tcggggccctt ggagacttcc tcggccaggg tatcttcaac tcagatggcg 180  
ctggatggaa agttcagcgc caaatttcca gccacgagtt caacactcgc gctctcggca 240  
agttcgtcga gaccgtggtc g 261

<210> 37681  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945409H1

<400> 37681

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caattattgg tgctggcatc atggccttgc ctgcaacctt gaaacagttg gggatgatac 120  
ctggctcttct tgccatcatc atcatggctt tgttgacaga gaagtcgatt gagcttttga 180  
ttcggtttac ccgggcaggg aagtctgttt cttatgctgg tctcatgggg gattcctttg 240  
ggaattat 248

<210> 37682  
<211> 212

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945410H1

<400> 37682

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 cacaggaaaa ttcatacatc caacgctttc aaaccttgca agtgccctct ttcttggtact 120  
 tttctgtgcc gttatagtca ctagtgtgct cgagctgcgg tggagtgggtg tgacgattga 180  
 ggctttgtgg cgtaatgaac aattctgggt ta 212

<210> 37683  
 <211> 194  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945411H1

<400> 37683

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 aatcatggaa accctgaatc caatagatgt tgctaaatac atgaattttg ttggtgcccc 120  
 ccaagctggg gctatagcta catttttcggg cacaactcgc gacacctttg agggaaaaac 180  
 aatcgtggat ttga 194

<210> 37684  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945412H1

<400> 37684

acagcatctg ctaccagtgt tcgttgtaca gaaaataact tctaatagcc aaattgtgga 60  
 tatttatcaa tgaagataac aacaactgaa gttattttcta gccgttgag ctcacagtaa 120  
 attgctttta acgtgttcca tcaaaaagt ggtacaaatc cctgtaatct tcatttttgg 180  
 taaaaatcct agtaatcttc tgatggatca aacggggggtc 220

<210> 37685  
 <211> 206

<212> DNA  
<213> Glycine max

<223> Clone ID: 700945413H1

<400> 37685

gccaaaatga caatttcacc ctctctgacc ttaacaccca ccaccccgag aatcacgcga 60  
acaacccaca cttccacac ttccacact tcccaccca cctatctcaa actcaatcct 120  
atttcagac cttccctct acgcgccttc gtcccccctca catcacgcgc cccactcgc 180  
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<210> 37686  
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<223> Clone ID: 700945414H1

<400> 37686

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aggttctccg cgcttccgat gacgccgatg atgatgcgat cttctatgat tcgttcgacg 180  
aggattttga agaccgttgg gttgtgtctc agaaagatga gtacagtggg gtctggaaac 240  
atgccaagag tgagggacat gatgattat 269

<210> 37687  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945415H1

<400> 37687

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ttgccaattc tctttactgg taaccagatc ctccaaaaat gatgaatcac gattccaaca 180  
acgaacaaca tgagattctc catgtctcgc aggacgacga gataatggaa tcgctaattc 240  
tcgatgacga cggctcttcc gtt 263



[illegible]

<400>	37688
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<210>	37689
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<212>	DNA
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<400>	37689
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<210>	37690
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<400> 37690

15101

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 acgggaaatg a 251

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<223> Clone ID: 700945419H1

<400> 37691

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 agactccaga aaactgattg tgggtggagta tactgcgtcc tagtgctgtc gatgccgttt 180  
 tctgccccca gttctcgac agactgcaga ggaaactcgt gaattgatcc tctcaaagt 240  
 ggatgtgcga gaagtga 257

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<223> Clone ID: 700945420H1

<400> 37692

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 tgtgggcaat gaaaataaga ttgccctaag atttgacaaa gtattttggc ctaatgtaga 180  
 actcttgggc actgttgctc cgacctctta tacctatggc gataccctaa gacgaagatg 240  
 ccgaacaaga tgggggtgaa c 261

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 <213> Glycine max

<223> Clone ID: 700945421H1

<400> 37693

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 atgtggttgt cattaagtac gtgccttatg taggggacag caagagggcc atggatgagt 180  
 acacttctga gataagcatg ggtggaaaga acacaattgt gttgcacaac acatgtgagg 240  
 attcactgtt agctg 255

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<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945422H1

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 tcaatcaatt gaagcgtttc atcgaacagt gcgagtccaa cccttccttc gtctcggatc 180  
 cttcactctc cttcttcgcg gactatctcg aaagtctcgg ggcgaaactc cctgaatctg 240  
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<210> 37695

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945423H1

<400> 37695

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 ttattctgtg cacagaaatt ctggtacata tgacaggact tatgcctggg gagttgccac 180  
 atcatggaac acctgatggc aactctggtg aaagttctca agacaagcga gaggaatcat 240  
 taggtcgctg gtatatg 257

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<223> Clone ID: 700945424H1

<400> 37696

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 acccttctgg ccaactgctat tggaggcaaa gttggtgctg ctgctgttac tgtagtcct 180  
 agaagactca ttgtggtagc tgctgctgca ccaaagaagt catggctccc tgggtgcaga 240  
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<223> Clone ID: 700945425H1

<400> 37697

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 aaaaaagctg gaaagaagaa attcctacgg aaaaaactgg agattttgat atgatatatg 180  
 gattcctgag agagaacggg aatattgtga gatgggttgc tctg 224

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 <213> Glycine max

<223> Clone ID: 700945426H1

<400> 37698

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 gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggaacca gcaacgtctg 180  
 att 183

<210> 37699  
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<223> Clone ID: 700945396H1

<400> 37699

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 taccaccaac tgaagaaatt gctgacagaa tcaacaagat gctggcagtg ctcgagaaga 180  
 acatcttgtg ggtgaaccct gactgtgggc tcaagaccg taagtacact gagg 234

<210> 37700  
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 <213> Glycine max

<223> Clone ID: 700945363H1

<400> 37700

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 aaagacgaga gattagttca gcaccagccg acccaacacc ccacttcgga ggaattgagc 120  
 attgggaaga tcaagtttaa ggcttttgat ttggggggcc atcaagttgc ccgcagagtc 180  
 tggaaagact attacgcaaa ggtggatgca gtacgtttac ctggttgatg ccttgacaaa 240  
 gagacggttt cagaatcaaa gaag 264

<210> 37701  
 <211> 253  
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<223> Clone ID: 700945364H1

<400> 37701

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 cccagagggtg ttcctcagat cactgtttgc ttcgacattg atgccaacgg tatattgaac 180

gtgtctgcgg aggacaaaac cactggacag aagaacaaga ttacaattac caacgacaag 240  
ggcaggcttt cta 253

<210> 37702  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700945365H1

<400> 37702

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ttctttcgcc gctttctctc tctttccaac gcttccccct gtggtgttct cgtgttgctg 120  
gtaacaatat gggtgttgac gctttgaatg aggatttgag aatcaacgga gcagttgaac 180  
cgttgcctga ggactttgat gcaacagctg taatcataga tcccgtgcct ttggcagttg 240  
tagacaatgg cattgtcaag gaggaggcgc agatcattaa aggaaaagag aaaagagaat 300

<210> 37703  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700945366H1

<400> 37703

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ctgggcaaca atgatggcat gaatctctca gccctcaaa ccttcgggc taaggaaatc 120  
tccaagagca atgttgttga cgatattggtc aacagcaacg ccatcctcta tgagcccggt 180  
gaacatccag accatgtggt tgtcattaag tacgtgccta atgtagggga caacaagagg 240  
gcca 244

<210> 37704  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700945367H1

<400> 37704

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 gatttggagt ctctgcgata cgaaaatcga cgtctcagga acttactcga ccagaatctg 120  
 aaattgctgc aaaacctctc tgaggcgact tgcctcgata attgccctcc cgatttgatt 180  
 gaccggttaag 190

<210> 37705  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
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 <400> 37705

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 caaatggcca tatccttcgg aatcagagaa ggtggcattg gctgaatcaa ctggtttgga 120  
 ccaaaagcaa ataaataact gggttcataaa ccagaggaag aggcattgga aaccatctga 180  
 agacatgcaa tttatgggtga tggatggcct gcatccgcag agtgcaactc tctatatgga 240  
 tggtcactac atggcag 257

<210> 37706  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945369H1  
 <400> 37706

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 tacggtggag agtccttctc aagacttttc aaattctcat tttggaaaaa gttttgaagc 120  
 agatgcagaa acacacagaa gttttgatga atcaacctgg ggtgcatttg acaacaacga 180  
 tgatgtggac tcagtgtggg gttttaacac caagaccaag gactctgact tcgagcagag 240  
 agatttcttt aaatctg 257

<210> 37707  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945370H1

<400> 37707

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 aacaagtacg ctttcgcatg tgctatcttg gcttcaatga cttccatcct actagggttaa 120  
 tatattggag tgatgagtg tgctgcactg tacatacaaa gatattctca ggtatcggac 180  
 gtgcaaatcg aaatcctgaa cggatatcata aacttctact ctcccgtcgg ttctttcatc 240  
 gccggcagaa cctccgac 258

<210> 37708

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945372H1

<400> 37708

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 cctcttcttc ttctggcacc accaccctga gccgctacga gaaccaaag gcccgcgact 120  
 ggaacacgtt cgggcagtac ctccgcaacc acaggccccc actctcgctt gcacgggtgca 180  
 gcggcgcgca cgtgctggag ttcttgcggt acctggacca gttcgggaaa accaagggtc 240  
 acacgcagct ttgtccat 258

<210> 37709

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700945373H1

<400> 37709

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 agtggcagtt ccaagcacia gaagcgcaac aattgcagac ggtggaggtg aaagtgaaga 120  
 tggactgcga aggatgagag aggaaagtga ggaaggcggg ggaggggatg aaaggcgtga 180  
 accaggtgga tgtggagcgt aaggccaaca aagtcactgt ggtcggctac gtcgaggcct 240  
 ctaagtggt cgcc 254



<210> 37710  
<211> 208  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945374H1

<400> 37710

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gcctgaggtg gctggaaatc ttagcaattg tttgatttca aaacgggatg tttgtgaaga 120  
tggatgagct ttgagcatct ttggaatagt ttactgcttt ctggtcacat aagcacctgt 180  
acttagtgta tacttagtat attatcct 208

<210> 37711  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945375H1

<400> 37711

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gcaagcttgt gaggcagtct aagtgtcttc aagacaaaat gactgcaaag gaaagtgcaa 120  
cctggcttgc catcatcaac caagaggaag ccttggttag agagctttac cctgactatt 180  
gccctccatt ttctctgtct ggaggtaatg gatccttggg gatcaatgat tgcagcgagt 240  
atgatgttga tggg 254

<210> 37712  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945378H1

<400> 37712

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tctgcggttt ggaatgcttt ggcaagagaa aatactactg caatttatga aactggatca 120  
ctggaaggta catgggtaag tcacaccacg ccccatgaca gaaaagccag gaaagatttg 180

agaaagcatg agatttcagc taacgaggcc attagagaag cattatctgt gtatgagtcg 240  
ctcgggtgaac tgcgca 256

<210> 37713  
<211> 252  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945379H1

<400> 37713

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tcgctggcat gaggttgcaa tggaaggaga gactgggaaa ttgtatagag caagttttca 120  
tgatagacaa ggaaggactg ttcttatttt gagacctgga atgcagaaca ctacttcaat 180  
ggagaatcag ttgcggcatc ttgtgtatct tttggaaaat gccatgctta atcttcaccg 240  
ggncaagaac aa 252

<210> 37714  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945380H1

<400> 37714

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gtttcagcaa tggcgcttctt aaataaaatt ggaaatctgg tcaagaattc tgctgtcaag 120  
cacatcaatc aagatttttc agtgtctacc ccatcacttt tccaagcaat tagatccatg 180  
tcatctgcaa agctttttgt cggaggtatt tcttacagca ctgatgatat gagtttcggg 240  
agtcttt 247

<210> 37715  
<211> 215  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945382H1

<400> 37715

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atgatcttgg actcgggtggg tcagttcttc tccggcaagg accatcttcc ttattgtgac 120  
tctgacgtcg tagctggatg tgaaagagag gtcttggagg cagaaaaaca atcatctcaa 180  
gagtatatgc aagactggct cctgcgttta tcatg 215

<210> 37716

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700945383H1

<400> 37716

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cgagcctctt cacgctctgc cccttctgga gtcgcgcaa cgctactcaa aggtccacca 120  
aaacgggtgc gtccgtcgcc aggtcgctgc tccgtccgcg ccggaaactc cgctcgatc 180  
cttccagtta cctctat 197

<210> 37717

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700945385H1

<400> 37717

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cggaaaatct ttctccggcg acctggaatt ccgacgaagg tagttgcggc tccttcgtcc 120  
cgaaactgag gccctcaaag tataaacttt ggtggtggtg ggtaggatct ggcggtgtat 180  
gatgggatct tgcatacgcc cgttggagac tccggcgagg ttgctttgga ccacaagctt 240  
cttccgtcat aagctt 256

<210> 37718

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700945386H1

<400> 37718

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aatggcttgt gcattgcaag caaccttagc agccaacgcc tatgtctttt cttccaggag 120  
attctccttg aagctccaaa agaacagtaa gagaaggttt tctttgttca ctgtagaggt 180  
tgattctgat gaatctgatt gcaatgagga agaatgtgcc ccgataagg aagtagggaa 240

<210> 37719

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700945388H1

<400> 37719

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tcaccaacac gaagaacaag attagcgtaa tgggtctctt ctttcttagg aatttggtt 120  
gcaaattcat ataccctttt cttttttcca ataaggtttc aaaggatttg ttccccaagc 180  
agttggagaa catgatgtct ctggtctctc ctggtactgg caggcatttg cagcgctatg 240  
acaaaggctg tcgcca 256

<210> 37720

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945389H1

<400> 37720

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cttcccgaag aagaactctc ttgaaggta tcattctcgg tgacagtggg gtggggaaga 120  
catctttgat gaaccaatat gtgaataaga agtttagtaa tcagtacaag gcaaccattg 180  
gagcggattt tttaaccaa gaagtgaat tcgaagatag gcttttcacc ttacagattt 240  
gggatacagc tggccaagaa agattcc 267

<210> 37721

<211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945390H1

<400> 37721

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 tcatttcattg gataagctgg tttgggaagt gtctcagcat tacaagtac ctactggcct 120  
 gcttgcatctt tattttttatt ttactttgag ttttgatgaa aaaaactgct actactcttg 180  
 taataatgag ttgtttagc gttattgcta gcaattgtta caactctcgt atactttgta 240  
 ataaatgaat t 251

<210> 37722  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945392H1

<400> 37722

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 ttcaagatac aaatgggctt ctcttcaagg caattccatc agcactgggc gtcagtgtg 180  
 ccaaacagta ccatgttaac tctcttgag tacctcgaaa agcaaaagaa gctattgggtg 240  
 gaattaccag a 251

<210> 37723  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945394H1

<400> 37723

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 gcgatggaaa tccactcaga ggaggagaat ggcgtacgaa cgagtcacaa gcacttgagc 120  
 agaaggagaa gcgaaagggg aagcacgaca agcccaagcc atgggacgac gacccaaaca 180

tcgaccactg gaagatcgag aagttcgacc cttcatggaa cg

222

<210> 37724  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945361H1

<400> 37724

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tgtagatgag cttgttgcta acaagtctat tactcagcat gttgaagtat tgccaccaat 120  
ggagaaacaa agacggctgg aacatatttt gcggtcacag gatcaaggat caaagataat 180  
tattttgtgt tctaccaaga aaatgtgtga tcaacttgct cgtaatctga cacgtcattt 240  
cggagctgct gctattcatg 260

<210> 37725  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945395H1

<400> 37725

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agctaccctt tgcaacacaa aaggtaggaa gtagatattg actgcttctt ggggttcacat 120  
acaatgaaat caggtttaaa aaatggttgg ccctctgttg tgcgtcttcg tctccgagac 180  
aaatcagtga cacccttttg catattctct aaagtgaat ctgctggcaa c 231

<210> 37726  
<211> 218  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945330H1

<400> 37726

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cgctcacttg tcttcaattt cccagattca cctagacca tccataaatc cccctattaa 120

cttgtctttc ggaccgattt ttctacgtga cgcacgcaa ttcttcaccg gtttcgttta 180  
gggaacccgc gaaaccgaat cagatagtgc ggcacgga 218

<210> 37727  
<211> 228  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945331H1

<400> 37727

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ccacgcgctt cggcggccag atccgcggct tctccgccga gggctacatc gacggcaaga 120  
acgaccgccg cctcgacgac tgccctcgct actgcattgt cgccggcaaa aaggccctcg 180  
aaaacgccga gcctgccccca gacaaccatc tccaagatgt ataggagc 228

<210> 37728  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945332H1

<400> 37728

ttcggctcgt tctcgagccg aatcggctcg agaacgggtg cgtaatgcgt gggaatctgc 60  
cgaacagttc ggagctgttc aaaatgagag gggcaaaaag aaggacttgt ctctcaaga 120  
tgctgcattg ttgatccaga tcagcttttag agcttacttg atccgtaggt caaaggctct 180  
tcgtgccctt agagaactgg ccattgcaaa atctaaatta aaggaaatca gagcccagtt 240  
caataacttt tcctaccgac gtcatgtagc ttgtaatg 278

<210> 37729  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945333H1

<400> 37729

gtgtgataga agattcacat cactgcatac ttgtgtttta attaaacttaa tcaagcaata 60

tggtcgggtg tcattgtcgg ggtccatatt gcgttgaaaa tgtttggtc cttggaagaa 120  
 tctggttctt tgtaaagta gagatgaagg gaaagctaga aatttatgtt gaaggtacag 180  
 tatttgtagc tggaaatgct ttacatataa catgtctatt tgcttaggct cttcaaaaaa 240  
 aaaaaaagaa aaaaaaaaaa agggggggccc cc 272

<210> 37730  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945334H1

<400> 37730

ctataatttt ttttctccat tagattacca agctctgcaa ctttgcttct caacatggag 60  
 tctcgtctcc taccattttt tactttactc aatattgcac tgggtggcaac ccatgctgct 120  
 ttaccccctg aagtttactg gaagtcggtg ctctctacta cgccaatgcc aaaagccatc 180  
 actgatatcc ttactctga ttgggtggaa gagaaaagca gctcagtga tggtggaggt 240  
 ggaggcgtga acgtgcatac aggaa 265

<210> 37731  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945336H1

<400> 37731

gcgaaacagt aatattaggc aggaaatttt gattgttaac actcacctga tatttcccca 60  
 tgattcaact ctatcccttg ttacaagat acttcaatac gtagaatctt atcagaatga 120  
 tttccaactc aagccaatgc caatcgtact ttgcggtgac tggaatggaa gcaaactgg 180  
 acacgtctac aaagtcttga ggtctcaggg cttggaacat ctaatgatac tgcacatcat 240  
 tacactgatg cagatgctca c 261

<210> 37732  
 <211> 264  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700945337H1

<400> 37732

gcaccgcctc cactaatggc tatgagatcg tgggtgagtc gaggatccgt gactcgtttg 60  
atggactcag caaatcgagg ggctttcagt cgcttcttca gcgacaaggg tcgcgttctc 120  
agcgaggagg aacaggccaa agaaaacgtc tacatccagg tagaaatggg agagggagag 180  
gttgagaaaa cagaagcaac aggctgagaa gaccaaggca gacaagggca aagatgctgc 240  
tgctgataag aaacctgaag gttc 264

<210> 37733

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700945338H1

<400> 37733

atcatttctc catttccatt ttctctctca cttttcaaga atcgtaagct atgggaaagt 60  
cttacccaac tgtgagtgtc gattaccaga aggccgttga gaaggcgaag aagaagctca 120  
gaggcttcat cgctgagaag agatgcgtc ctctaagtct ccgtttggca tggcactctg 180  
ctggaacctt tgacaagggc acgaagaccg gtggaccctt cggaaccatc aagcaccctg 240  
ccgaactggc tcacagcgct aac 263

<210> 37734

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700945339H1

<400> 37734

gcttctctct cgagcgtgat cgtgatccgt tcccttcaa ttttaccaaa atattagaga 60  
ataaacaaaa tatactatatt catttccgtc ccctttcatt ctaatacatt ccaatgtttc 120  
ccagtgccgg cgttcccaag aagcggcaac gcaccaccgc cgccaaccgt tcctcctcca 180  
cagatggcac catctcctcc ctctccgacg taaccctaatt cgagatctcccaaaaccctc 240  
gaccttcctc tcccatgacc gac 263

<210> 37735  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945340H1

<400> 37735

ttctcgagcc gattcggctc gagcaaactc attcttgcc tttttttacg ttcatacttt 60  
 tattacttat tgctacttac ttttactttc tatccaatca tccatggccg aggaacccca 120  
 aaaaccagcc tccgctgaag aagtgggtgcc tgttctctgcg gacacgccac caactaccca 180  
 atctgaagct gaagctgaag ttgaagcaaa tgcagaaagc atcgaagaag tgggtggcgga 240  
 agcagagaag gccagagtgt gtgtaga 267

<210> 37736  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945342H1

<400> 37736

gcagcatctt cttctttgtc tctgctttcg ttagcgagtgt tgaaaactag gagcaaagtc 60  
 gcacagaact gtcacgtgac tcaacaaaga caacgttgta atcatgtttg tgttaagaat 120  
 gcaagaagaa caaggggtgac tgctgtgcct gtgaatgttg atgatgtaac cacagtactt 180  
 gacctgctc cagtgggaagt cacatggcaa attgtgggtg gagctatagc ctgggggttac 240  
 cccttttgtg gtggcaggga t 261

<210> 37737  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945343H1

<400> 37737

ggtttacaga gaagcgaaga ggcgcaccgt tagcagtaac tcgtggaatt gctagcaatg 60  
 gcgaggatca aggtttacga gctgaggcag aagacgaagg ctgatctgtt gaatcagctg 120

aaggacctca aggccgagct tgccttgctt cgtgttgcta aggtcaccgg cgggtgcacct 180  
 aacaagctct ctaagatcaa ggtggtgagg ttgaacattg cccagggtttt gacgggtgatt 240  
 tctcagaagc agaaggccgc gt 262

<210> 37738  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945344H1  
 <400> 37738

tttttcaccc tcagaattca tatcatgagt tttcatggta catcaaacac ggggcttgga 60  
 cttggtcttg gtcttggaact tgtagcttc catgatcaat cagagaattg catgaagagt 120  
 actaatgata ccttgagaga tatccataag ataaaagagg tggagaatcc atcaaaatgt 180  
 ggcagcacat gcccttgctt gtcattagga ccaccagatg atgatgatga tgatgatgat 240  
 gaagtgaata atcaaccacc a 261

<210> 37739  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945345H1  
 <400> 37739

tgcacagaag agtgtgagat taatgggtat gtgatccag agggagcatt ggttcttttc 60  
 aatgtttggc aagtaggaag ggaccccaaa tactgggaca gaccatcaga attccgtccc 120  
 gagaggttct tagaaactgg tgctgaaggg gaagcagggc ctcttgatct taggggccag 180  
 catttccaac tcctcccatt tgggtctggg aggagaatgt gccctggtgt caatttggct 240  
 acttcaggaa tggcaaca 258

<210> 37740  
 <211> 218  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945346H1

<400> 37740

cctacacgta tcagagagag aatatttttg ttcgtgcagg tgcagaagat ggctcggagc 60  
 tccacaagaa tgaaatgggt ctctatcttc acactttctat tcctctccca ctgccccctc 120  
 acaatctccg cagaagatgg gctagtggcg aatggagatt ttgaggctac cccaagaaac 180  
 ggcgttccaa acgaggcgat tgtggagggc cccagcgga 218

<210> 37741

<211> 253

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945347H1

<400> 37741

tctcgagccg ctcgagcggc tcgaggtaga attagggttt atatcgcgca tagtgtggta 60  
 cacgagcaga gttgtatacg tcgcgcntag gtacaacatg atcattcccg agaagaaccg 120  
 taaagagatc tgcaaatacc tcttccaaga gggagtttgc tttgcgaaga aggacttcaa 180  
 tctggcgaag acccgagat tgatgtgccg aatctgcagg tgataaagnc tgatgcagag 240  
 cttcaaatca gag 253

<210> 37742

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945348H1

<400> 37742

ttcggctcga gcttctcat ttaccaagtt tttgctttgt ggtttgcaga agtaaacgag 60  
 gaaaagggca tggaaaatca tagtattttg taactaaatg cttttgttct tgtgaattaa 120  
 ttttcattca ctttcagatt tctggtttca tcctctattc aaatagcttc cagcataata 180  
 ttttgaattt gactgctaag gaaagacccc atttttctga gttgtaaagt gacttatatt 240  
 ttttgagcct agaggaa 257

<210> 37743

<211> 267

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945350H1

<400> 37743

acttttgaat ggttttgatc attggaagcc acttcagaag agaacctaata caagttatag 60  
 ttattggagg tcgttttagc atcatgtgat cattttcctt atcctttgta accttcggga 120  
 aatgtcactt gcaccttgaa aaagcacgag attgaaaaaa tgaatgtaat atgtttgaag 180  
 tttttctttc tagatctttt cttgccattt aagcttttct ttactcaaga aattgtaaaa 240  
 taaagggtcg aagacaaaat ctatcag 267

<210> 37744  
 <211> 178  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945353H1

<400> 37744

agaagattaa tctgtgtaca ttgacttaaa ggggaaaatt ggggtctgatt ggaatgtctt 60  
 catttcaaga tacaacaaaa ccatatacta tagccattgt cattgtttgg gaaaacatgt 120  
 tcttagtttt ggtgctactg gatgattttt catctactga aacttgattc ttgagaat 178

<210> 37745  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945354H1

<400> 37745

tagctttttc ttttcctaata ttggctctta gcactttatg cagagtgata acagataatt 60  
 tagagatcga tacatgaaga ttctgattta gcccttgagg attgggtctga taactagtaa 120  
 aaaatgaagt ttgtcagagt aaattgagag ctacaccagg agccaaagtc tgatgatgat 180  
 taaaaagata attaagatag tgataactgt agtatatatt tacatctact acatcacag 239

<210> 37746  
 <211> 257

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945355H1

<400> 37746

gtagccttcc cgaagaattg ttggtattac aagaaaagta cacgtcctcg tgccgattat 60  
 atagtttgca ggaacttgta tctgcgacct ccaactttgt atctgaaaat ttggttggca 120  
 aaggtggctg tagttatggt tacagaggat gtcttccaga tggcaaggaa ttggctgtga 180  
 aaattttgaa gccatctgaa aacgtgataa aggagtttgt tcaggaaatt gagatcatta 240  
 caactttgcg ccacaag 257

<210> 37747  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945357H1

<400> 37747

tgcttccaat ctggactctt gtcattcatt atacctctct acaaaaatgt aatgcactga 60  
 aaatggctctg aaagcaagta cataaatgca gtgccctgaa aatggctctga aagcaagtac 120  
 ataaatgtag tgccctgaaa atggctctgaa agcaagaaga gataaacagc atctgacatt 180  
 atgtatgtcc taaattcata gttcccttgg tggtgttgag aggtataatg aatgacatgc 240  
 ttccaatctg gactctt 257

<210> 37748  
 <211> 79  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945358H1

<400> 37748

ggggtcattc atatgatccc gtgtttgttt gggctttttc tcaattcttc aaccaaccca 60  
 ttccttgacac acacgatat 79

<210> 37749  
 <211> 258

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700945359H1

<400> 37749

attccacaaa atttccctca cttattttctc accatcatca ccccttttcc ttctctcaag 60  
 aaaaaaaaaa gttaattttct tgaacccaat ggcttcagag acagaggtgc cggatattat 120  
 ttctctgtgtt ttcgaaagggt ttcaacaaaa cagagacatg tctctgtttc tgcccttcct 180  
 cttcggcttc tctgacgcca cccaggagc aaatagcgac gaccagatc acgaaactgc 240  
 tcccacagaa gccccaca 258

<210> 37750  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945360H1

<400> 37750

ctcattgttg aaaagaaacc ctagcaagtg gagcaatggc agacgttgaa gtcgatgtgg 60  
 cggcacagca gcagcagggc tgccgaagaa gagaacgttc aagaagttca gttttcgagg 120  
 cgtggatctc gatgcacttc tcgacatgtc caccatgaa ctctgcaaga tgttcagtgc 180  
 ccgcgctcgt agaaggttcc agagaggcct caccagaaag cccatggcct tgatcaagaa 240  
 gctccgtaaa gcgaaaag 258

<210> 37751  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945329H1

<400> 37751

gacacataaa cccggcgggtg acattcgggt tgttcctagg acgcaagggtg tcattgataa 60  
 gggcgttgtt gtacatgggtg gcacagtgtg ccgggtgctat ctgtggtact ggattggcca 120  
 aggggttcca gaaagcatatc tacataangt atggaggtgg tgctaactct gttgctgatg 180

gctacaacaa tgggtactgct ttgggtgctg agattattgg taccttcggt cttgtctaca 240  
ctgtcttctc tgccactgac 260

<210> 37752  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945303H1

<400> 37752

tgcattggct ctaagcggat tctgaaggat cttaaggacc tccagttaga cctccatac 60  
tcttgcagcg ccggtcctgt agtcggtaga tatgtttcat tggcaagcga ctataatggg 120  
tccccctgat agcccttatg ctgggggtgt ttgtctagtt actattcatt ttctccgga 180  
ttatccattc aagccaccca aggttgcatt taggactaaa gttttccacc caaatatcaa 240  
cagcaatggg agta 254

<210> 37753  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945304H1

<400> 37753

cggtattcgg ctcgaggaaa aacaagatgc aataaacttg tttttagggt acttccaacc 60  
acaggaaggg aaacctgcgc tctgggagct ggattcagat tattatatcc atgtatctgg 120  
gattggggat gatctaattc ctgagaagtg ttctgaacca aatctcagtt cttctggaag 180  
aggtggaatg atattcacgc ctataccagc ttgcagagaa,gacttctctc gcataagggtg 240  
gacat 245

<210> 37754  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945305H1

<400> 37754



aaaatgccca ctttttttct tccaacgctc ctctctcttc tcatagcctt cgccacctct 60  
 gtctccggcc gccgtgacct cgtcggagac tttctccggc tgccctccga aactgataac 120  
 gacgacaact tcaagggcac ccggtgggcc gtctctctcg ccggttccaa tggttactgg 180  
 aattacagac atcaggctga tgtttgtcac gcctatcaaa tattgaggaa aggtggtctg 240  
 aaagaagaaa atattattgt ttttatgtat g 271

<210> 37755  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945306H1

<400> 37755

gtctaattcc aatattgagt ttatttgttc aatcactttt tctttgtgat gataaccacc 60  
 aaaatgccaa ccatgaatcc agatagtctc aaattcatag aagccttaat aatattaatg 120  
 gtgggtttga tgatgatgat gatgttgacg gttgtttgtg ctgaagagga aataatgtgc 180  
 attgagaggg agaggggaagc actctcccaa ttcaaagctg cccttgtgga tgactatggc 240  
 atgctatcat cttggaccac tgctgattgc tg 272

<210> 37756  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945307H1

<400> 37756

gccgtttgac attacgacat accaatccgc agagactcca atttccggtt gccacctcac 60  
 cggatgatggc tataggcgta cagtttccgg tatgtacacg ctactccaa ctctctcttc 120  
 attcaagcac cccacgcgcc tcttctcagc cgctgctttc actgcaaagc ttccacttca 180  
 atttcgagcc atttcaacgt ccttcacga caccgaaacc aatccaagag aatccaacgt 240  
 agtagtagtt gaaaaggacg taagcagtag aag 273

<210> 37757  
 <211> 270  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945308H1

<400> 37757

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 ttgacctatt gtggctactg tggtttctact actgtgcctt ttggaacgtg ctaacgcagc 120  
 aacttactcc gttggaggac ctgggggatg gaccttcaac actaatgctt ggcccaatgg 180  
 aaaaagattc agagctgggtg atatcctaact cttcaactat gactcaacga cccacaatgt 240  
 ggttgctgtg gacagaagtg gatacaacag 270

<210> 37758

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700945309H1

<400> 37758

attataagcc tcttagtatt cgggttcttc ttactcacct acggaacacg gggaaagcct 60  
 ccaaaaccaa cccaccgttg ggcgatggc tttccctcc agaggcgatg acgagtaggt 120  
 tctggtgcag cgtaaatega atgcgagagt gttgacacta gacaggacta aacagttgaa 180  
 tgccctctct ttttatatgg ttttcggcta cttgaaattt tttctgaaga tgagaaagat 240  
 tctgatatta a 251

<210> 37759

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945311H1

<400> 37759

cctgtgagta attcccat ggaatgaacc ctatgctgat atgcattgtg cttcaataat 60  
 aggaggaatt gtgaacaaca ctttacgtcc tcaaatcca acttggtgtg atcctgagtg 120  
 gaaatctcta atggaaagtt gttgggcttc tgatcctgta gaaagaccat ctttttcaga 180  
 aatttccaag aagctgagga gtatggctgc ttcaatgaat ttgaaatagt caattgatct 240

tgaataagtt aattgacctt ctcccgt

267

<210> 37760  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945312H1

<400> 37760

aattttcact cttttctgca ccgccagtga tgggagatgg gtgcgcggtt gagggcacca 60

cggggaattc caattctaata aacaataata acaataagaa gaagaacaag aagaagaaga 120

acaggggtgg gagcaagaag aagatgaccc acgaacaggt cttggccttc aagttagtga 180

gtgagtgggt tttcttggat cacccttctg ctctgtcttc atcttcttct gctgcttcct 240

gtgttgtcga tgattttggt gttcagaag 269

<210> 37761  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945313H1

<400> 37761

ggcagcgatg gaagaagact tcgacatccc cggcggcgag gaaatggatc tcggcgaaga 60

cgaggtcggc gaggagaggg agatcggctc tggcggcctc aagaagaagc tcctcaagga 120

aggtcaaggc tgggaaaccc ccgaagtcgg tgacgaagtc caagttcatt acacggggac 180

tttgctcgac gggactaagt tcgattcgag ccgcgacagg ggatctccct tcagcgttac 240

gcgtggacaa gggcaaggta attaagg 267

<210> 37762  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945314H1

<400> 37762

ctttgagaga ggaccaaggt accacgcata cgctgcgttg agggaaacaa agcttcgcat 60

gaggcaacaa gaagaagaag aggggtgtgt tgaagcaaag gtttcaaccc caccaagaaa 120  
 aaaacaagtc aagtttcaag gtgctgtggt ttcagggaga aaagggcat catctcttgt 180  
 ggctcagtct gtgccggact ttttctaata tgtagaggaa ggagaatagg aagc 234

<210> 37763  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945315H1  
 <400> 37763

gccacgacac aagtccaaag tttgattcca aaatgccatc ctcaagcatt cgcagcttca 60  
 ccatcttcac cctctttctc attgcgatcc tccccacgg acacgcaaca actccaacct 120  
 ccaaacttcg cctcaaacct ctctcttctc ctttttcaac cgccctcgaa accctccaga 180  
 aacaacgcgg ggtacacctt aagagcgatg agccttctcg gcgcgccact acacacgcgt 240  
 tcgtcgtcga agaaaacaac aaagccttcg cca 273

<210> 37764  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700945316H1  
 <400> 37764

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 ttataaccgc aaaatgaaag ttggctggtt tctgcatacc ccgtttccat cttctgaaat 120  
 tcacaggaca ttgccatctc gctcagagnc tttcantca tntcttgcag cnganttggn 180  
 ttgattttac accnacgaen atgtacgaca ttttgtaaga gcangtacac gcantctttg 240  
 acnagtgggc acaccngtag gg 262

<210> 37765  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945317H1

<400> 37765

ctgatatgga ggaccttata gttagattaa atcaagaaat agctgcaaag gattttctcg 60  
 caacaaagct caaggatttg gaagtagaac ttgaaactac caaacagaaa aataaggaga 120  
 acttgacgca ggctattcta attgagagag aaaggtttac ccaaatgcag tgggatatgg 180  
 aggaacttag aagaaaatca ttggaaatgg agatgaaatt aaagtctgaa tcggggagaa 240  
 attcttatca ggatttgact aaggaatcaa tt 272

<210> 37766

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945318H1

<400> 37766

cgaggaaactc atcacttact ggaagccttg ttgtgagtaa gagaaaaggc ttctctgcacc 60  
 gagcacacca acttgatacc tctgattctt tctttgctta gaattccaca gaatatggag 120  
 aatagtcttg tcaatcactc accaactttg gaattcaagg gtttgagaga ggaggaggaa 180  
 gactcattgc tagggcaagt ggaaatatgg aggtacatga catgcttcag ggactccgtg 240  
 gccttgaaag ctgtcataga gcttcgtata gcgga 275

<210> 37767

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700945319H1

<400> 37767

gcgcaatgtc atggatatga ggtctatcta tggaggattt gctgcagctt tgagagattt 60  
 gaatgtttgg gtcatgaatg tggttacaat agactcccct gatactcttc ccattatttt 120  
 tgaacgaggt ctgttcggta tatatcatga ttggtgtgaa tcatttagca cctatcctag 180  
 gacctatgat ctccctccatg ctgatcatct gttttcaaag cttaagaaaa ggtg 234

<210> 37768

<211> 253

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945320H1  
  
 <400> 37768  
  
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 gagactgaga ttcagtcctg gtacaactat gaaaccactg accttggtca cgagaccaag 180  
 aatggcactt atcagtggtg tgtcaagccc aaaactgcc aatatgattt aaaaaccaac 240  
 acccatgtcc cta 253

<210> 37769  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945321H1  
  
 <400> 37769  
  
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 aggacgaggg aagtccaact tgggtcacat actgtgagtt ctcatggata tgcagttgca 180  
 agaacacaca aacatgattg gctcattctc ttgctcctcg tgttgattgt tatcagcctg 240  
 tacattatcc atcctttcca tcgctttg 268

<210> 37770  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945322H1  
  
 <400> 37770  
  
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 catgggtttg aaggaggtgg ctgtgtccag tggcagtgcc tgcactagtg ctagtttgga 180  
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255

<400> 37771

<400> 37772

<400>	37773
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15131

[illegible]

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cgccc 245

<210> 37774  
<211> 251  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945327H1

<400> 37774

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ttcaatagac aagcacttta tggctatagc cctccttcta tgcccagcgt accaagatct 120  
tcatgctgtt gcttccccctc aaagaagtcc accaacgatg tctcagactt tcaaagaaac 180  
gcaaagaggg aagaatctta ggccgccaat tttaagcgtg aggaacgtgt acaattcgan 240  
tagcantaga g 251

<210> 37775  
<211> 118  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945328H1

<400> 37775

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tggtgctgaa gaacaggttc ctgagttact tgatctggca atccatacat tcctctct 118

<210> 37776  
<211> 270  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945302H1

<400> 37776

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ggcgcaactg gatcatnggt ggccctcctc ctccaccagc gtggttatac ggtccatgcc 120



accgtccaag acatcaagga tgaaaatgag acgaaacatt tggaggaaat ggaaggagca 180  
aagagtcgtc tccattatatt tgaaatggat cttcttgaca tcgactccat tgccgctgcc 240  
ataaaggggtt gtcccggcgt aatccacctc 270

<210> 37777  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945266H1

<400> 37777

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gtgtacaagc ctattccaaa gccagttccc gtgtataagc ctataccaaa gccagttccc 120  
atttataagc caattcccat ttttaagcca ataccgaaac cagttcccat ttataagcca 180  
attcccattt ttaagccagt accgaaacca gttcccattt ataagccaat tccaattttt 240  
aagccagtac caacac 256

<210> 37778  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945268H1

<400> 37778

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cagatattgg tggttgcatt gaatcggaga gggtaggtag gtgggaagac gtgtcttggt 120  
ttgtagcttt ccccttcgct ctctctctct tccccggcgc atgtgccgga ttagacgcca 180  
actgcttcca taattcacct cctccaacca accaacacaa tatttccttc tggattggat 240  
ggacgaagca tg 252

<210> 37779  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945269H1

<400> 37779

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 aaggagaact ttgatttcag gcctgggatg atctccatca accttgatct caagaggggt 180  
 ggaaataaca ggtttttgaa gactgctgca tatggacact ttggaagaga ggaccctgac 240  
 ttcacatggg aag 253

<210> 37780

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945271H1

<400> 37780

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 ggtttcgatc cccaaaccca caccxaaagc ggcggaggcg gaaagcgcgga acatcgtttt 180  
 gcagccgcgg ttgtgcactc tcagatccta cggttcggat cgagacgggg tgcttatcaa 240  
 gactcgcaa 249

<210> 37781

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700945273H1

<400> 37781

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 gcaatcgaac ctttcatctc caaagggatc cacaggccga aggagaaatg gggctgacat 120  
 tcacaaagct tttcagtcgg cttttcgcgga agaaggaaat gcgaattctg atggttggtc 180  
 ttgatgctgc tggttaagacc actatcctgt acaagctcaa gctcggagag atcgttacca 240  
 caattcctac cat 253

<210> 37782  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945274H1

<400> 37782

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 accaagccgc catcaacagc agcgacgttg ccaacctctc ccacgaagat accctcgagc 180  
 gcgacaccct tgtccaccgc tgctacatcg cctcggcca gctccagttc gtcattctc 238

<210> 37783  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945275H1

<400> 37783

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 cagaatggga tacttgtatt ccagttacctg attttgagtg gaaacagatt gctgagccgg 120  
 ttatgcagtt atatattggaa acaactgatg gttcaaactat agaggccaaa gaaagtgtc 180  
 tagtttgaa ttcgagctat cagaccgaga ctttgtgttc atgccaagct aaggagctt 239

<210> 37784  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945276H1

<400> 37784

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 agctcagcct gcacactcac atatacat atctgaacgc gtatcgtccc tcctatggct 180  
 tcaaagcgca tcctcaagga gctcaaggac ttgcagaaag acccatcaac ttcttgagc 240  
 gctgggtccag tagctg 256

002260-CTT5560

<210> 37785  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945278H1

<400> 37785

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ttttgtccct ggatttggaa aacagctagt ttccatggaa ggtttggtga gttctgggat 120  
caacacgggtt cgtgtttttg gcattacaaa acaccaatct cgttttcttc cttcatcaac 180  
tctgcatctg aggaataaca gtgtgtgtgg atttggaatt ggggttgaga agaagaagaa 240  
g 241

<210> 37786  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945279H1

<400> 37786

gcaccaacag cgagaggatg aagcagaacc tggacataga tgggtgtacc aacaagggtc 60  
aagtgccatg gctaaaagca ccaacagcga gaggatgaag cagaacctgg acatatttga 120  
ttttgtgctg agtgaagagg atttaaaccg gatcagtcag gttccacaac gcaggcaata 180  
cacaggggac atatggctat ctgaaaatgg gtcttgcaag accttggaag aactttggga 240  
tggagacggt taagtat 257

<210> 37787  
<211> 154  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945280H1

<400> 37787

attcggctcg aggaaaaaag agagagtgtg gacggtgaaa tggagatata tatccggaag 60  
tggtgttggg aaagtaaaag atagatatga tggatgagct ataccccaga agtggtttct 120

gcagctccac ttcaatcttc tacagcaagc gtaa

154

<210> 37788  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945281H1

<400> 37788

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 ccttcgtctc cgtggtggca tgcagatctt cgtcaagact ctcaactggca aaaccataac 120  
 cctagaggtc gaaagctctg acaccattga caacgtcaag gccaagatcc aggacaagga 180  
 gggaatcccc ccagaccagc aacgtctcat cttcgccgga aagcaacttg aggacgggcg 240  
 caccctcgcc gact 254

<210> 37789  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945282H1

<400> 37789

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 ctcaatctcc tttccaaatg gccagcggtg aggttgcaca gcaaacacca acaacagttc 120  
 cagaaaatga aacaaccgag gtaagcaaga cccaggaaac aaccccagtc actgaggctc 180  
 ctgcaacaga acaaccagca gctgagggtc ctgcaacaga acaaccagcc gctgaggctc 240  
 ctgagccaga atc 253

<210> 37790  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945283H1

<400> 37790

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ggtcttccct cacacaacca agccttcttc ttcccttccc accactttct tcatttcaca 120  
 cttctcctct gccctctctt cttcttacgg accctccctc cacaagggaa caacaatccc 180  
 ctccaatcc ctaaagcagc cgttctctg cgaagaagcc ttcacgcgag tcttccacct 240  
 cgccgcactc cgc 253

<210> 37791  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945286H1  
 <400> 37791

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 acgtgctatt ttaaggcaaa cgcaggtgat ggggtgtaatg aaacaagagc agcctgaaag 120  
 atatttgcgt cttgatcatc tcctagttag aacttatttt gatccaaatg aggcttatca 180  
 agactcaaca aaagagaagc gacgtgcaca aatagcccaa gctattgcag cagaagttac 240  
 tgtagtgcca c 251

<210> 37792  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945287H1  
 <400> 37792

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 caaggaggca ccaccagcac ccttgtttga gccaggggag ttaaagtcac ggtcttttta 180  
 cagagctggg atcgcagagt ttgtggccac attcttggtc ctctacatca ctgtcttgac 240  
 tgtcatgggt 250

<210> 37793  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945288H1

<400> 37793

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 tgatggatcg ggaaggagga tccaacgccg gatcttgcta ctactccgtt ctcgggattc 180  
 gtagggatgc ctcttctct gatattcgca ctgcctaccg caaactcgct atgaggatgc 240  
 acccgacaa g 251

<210> 37794

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945289H1

<400> 37794

gtttctgcga ggcttaagaa acctcgcaga accaaagaaa actcactctc acacactttg 60  
 gttcacaaaa acctttcact tctattttca atctatctag ttccttctcc catattatag 120  
 taccctttta tccaagtta cttaaattta aaacctttat tactgctcat acttggtttt 180  
 cgctttgtta agttttaaga aaaatggagg cacattctcc agttatagcc aagaagctat 240  
 ggaatgtgt 249

<210> 37795

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700945290H1

<400> 37795

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 atttgacga caccttgtag ccctccagca ccggaattga caagtgcgtc aagaaaaaca 120  
 tccaactctt tctcatccag aaatgaggat tctcagaatc caaagccttg acccaacgag 180  
 ttgagctctt caaaacctac ggaagcacc ttgccggtt aagagcacia ggctcagata 240  
 tcaactgcaga gg 252

<210> 37796  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945291H1

<400> 37796

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 agatgggtgg cattgcattc ggaagcttgg atgattcttt cagtttaacc tcaatcaagg 120  
 cctatattgc tgagttccat tcaaccttgc tctttgtttt tgccggtgtt ggttcagcca 180  
 tagcctatgg taagttgaca tcagatgcag cacttgatcc tgctgggtta ctggcagttg 240  
 ctatttgcca 250

<210> 37797  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945292H1

<400> 37797

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 aaaatcgatt ggcgatgatg gagttgaaag agattcagag actcgaaggc cacaccgata 120  
 aggttttgag cttggcctgg aacccgacca ccggtcacgc cggatatcca ctctgtcttcg 180  
 cttcttgcag cggcgacaaa accgtccgaa tctgggagca gaacctctcc tctggcctct 240  
 gggcctgcac 250

<210> 37798  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945293H1

<400> 37798

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 tggctcggac attgcagttt aaggttagag tagatatcca aagaacaaaa cttaagttaa 120



catttgagct ccagaggtca ccaacggaag aagagttagt agaaagaatt gggatctcac 180  
 ttgaaagata tcatgaagta atgaaggcat caaaacccat tttatccctt cattcaagac 240  
 atataaccac gca 253

<210> 37799  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945294H1

<400> 37799

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 actcgattct cgctgatgaa gaagcatttg atgcacagct atggcggttg cgtgattgtg 120  
 gtgttggctt tgagtttgag tgtggctgca tcagcggaac aactcagttc acgagaatgc 180  
 gagaatctcg gtttcaccgg actcgccttg tgctccgact gcaacactct ctccgagtac 240  
 gtcaaggaca aag 253

<210> 37800  
 <211> 96  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945295H1

<400> 37800

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 tgcagaaaat atgcactttt ctccaccaga acatgt 96

<210> 37801  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945265H1

<400> 37801

tctcgagccg aatcggtctg agcttctctt ctcttcccca ccaaaacaaa ccttttctca 60  
 gactagaatt ttcagaattt gacgtatggg gaggctgttt gtgacccatc tggaggggca 120

gatgtatacc tgcaaact gccgcacca cctcggtct ctatgaagac atcgtttcca 180  
aggctttcca cagcagacat gggacagctt atctcttcag taaagtgtaa gtcac 235

<210> 37802  
<211> 252  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945296H1

<400> 37802

atgtgtatgt agcgtgcacc cttccacatt ctatctcgtc ccgatctctc tcgatttttc 60  
cttccctttt ctccataaac gaggtatatc agattcgtc ataataggag ggaatcgaat 120  
cgaatcgaat cgaaaggaaa gtgcagaatg gatgacatgc cggtgccggc gctctttgag 180  
caagcccga agatccacgc cgcagccacc gagttcggcg ccgaccagga cggttntaag 240  
aaggggatcg ag 252

<210> 37803  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945229H1

<400> 37803

gaaagaaact gcaacttct ctgttttgct cccctgttta ggccttttca taagcttaga 60  
atgacacaca aggaattttc cattgctcta gtgactctca ttgctgttct ctttgtcaac 120  
atgaacatcc aaggtgccac tgctgactat ggtagttggc agagtgtca tgccactttt 180  
tatggcgggg gtgatgcttc tggcacaatg ggtggagcat gtgggtatgg aaatttgtat 240  
agccagggt atggaactga cactgt 266

<210> 37804  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945230H1

<400> 37804

ggagattgct atttttagctg gcggggtgca tttggacggt catatccttg actctgctga 60  
actgtacaat tctgagaatc aaacctggga actactccct agcatgaaca agccgaggaa 120  
gatgtgctct ggggtattta tggatggaaa gttttctggt attggtggaa ttggtggata 180  
agattctaag cttcttacat gtggtgagga gtacaatata caaactagaa catggacagg 240  
aattcctaac atgtcc 256

<210> 37805

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700945231H1

<400> 37805

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ggacatacgt gtaggttcta gttgctattg taacattatg ttgtgagata tgtaatatgg 120  
acatgtaatc atatgtaagg tagtgatgcc aagtagtttg gtcctgtgcg tgctactgta 180  
gatatgaatg tctcatcact gttatggta ttgcaagta cctgaatgga aataatttgg 240  
gttctccac 249

<210> 37806

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700945232H1

<400> 37806

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atacgttgca cctgagtatg caagctcggg tatgcttaat gagcgcagtg atgtatatag 120  
ctttggagtt cttctcatgg agataatcac aggaagaagc cccattgatt attcaagacc 180  
acctggagag atgaatttgg tagattggtt taaggcaatg gtagcaagtc gtcgcagtga 240  
ggagctagtt 250

<210> 37807

<211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945233H1

<400> 37807

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 agtgggaaggg agtacaccgt gaaggacatg acgcaagccg atttcggaag attggaaatc 120  
 gagctggcgg aggttgaaat gcccggcac atgtcctccc gcaccgagtt cggccccctct 180  
 caacccttca agggcgctag gatgaccggc tcctccaca tga 223

<210> 37808  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945234H1

<400> 37808

actctgcgac caaatctccg atgctgtcct cgacgttgc cttgaacagg acccagacag 60  
 caaggttgcc tgcgaaacat gcaccaagac caacttggtc atggtcttcg gagagatcac 120  
 caccaaggcc aacgttgact acgagaagat cgtgcgtggc acctgcagga acatcggtt 180  
 cgtctcaaac gatgtgggac ttgatgctga caactgcaag gtccttgtaa acatctacca 240  
 gcagagccct gatattgccc aggg 264

<210> 37809  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945238H1

<400> 37809

actagttcta gatcgcgagc ggccgctcgc gatctagaac tagtcattnc ttcccagttc 60  
 tcacctcacc gctgcatctt cacgtcgtct ctaacgaggg aacatgagtc gaggaggtgc 120  
 agcagcagcg aagggaaaga agaaggggtgc tacattcacc aattgactgt gcaaagccag 180  
 tagaagacaa gatcatggac attgcttctc tcgagaagtt tcttcaagag aggatcaagg 240

ttggtggcaa agctggtgct cttgg

265

<210> 37810  
 <211> 191  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945240H1

<400> 37810

caaagcattg aattcaaaaa ctttaagttca ttccttggtg tttgctttct tcctcaaaac 60  
 caaacatgtc gaacacatgc ggcaactgcg actgcgctga caagactagc tgcaccaagg 120  
 gaaacagcta tggtgttatt gtagagactg agaagagtta catctcgact gttgtcatgg 180  
 atgttccagc a 191

<210> 37811  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945241H1

<400> 37811

caagaggccc tcagacaagc cactcaggct tccattgcag gatgtctaca aaattggtgg 60  
 tattggtacc gtgccagtgg gacgtgttga gactggtgtc gtgaagcccg gtatggtggt 120  
 gacttttggc cccactgggc tgacaactga ggtaagtct gttgagatgc accatgagggc 180  
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 ggatctcaag cgtggttttg 260

<210> 37812  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945242H1

<400> 37812

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caaaggggag catcatggtg aacacagtac tgaatacaaa ggagagcatc atgttggtga 180  
gcacaagccg gagcaccatg gacgagaaga gcacaaagag gggttcctag acaagatcaa 240  
ggacaagatc cacggcgagg a 261

<210> 37813  
<211> 185  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945243H1

<400> 37813

accgcaagtc gtcctgctcg cgctggttgc caacatgaag cttctcattg ctctgcttct 60  
gggtgttggtc gcgccgtttt catcttcttc caaaccctaa gacacgttcc tcggaatctc 120  
ccccgaagat gacaagtatt acaaggcttc cgatgtgata aggtgttaaag atggatccgg 180  
aaaat 185

<210> 37814  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945245H1

<400> 37814

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gaaaactggg cagaaggata tcttttacat aactggaacc agcaaagaac aactggaaaa 120  
ctctcccttc cttgagcggc ttaagaagag caattttgag gtacaattta aattgtttga 180  
tttttattac aagtatattt gctctattat ttgttctttt aaaaacattt gtctttctat 240  
tctgctgaga gatgat 256

<210> 37815  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945247H1

<400> 37815

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 caccagtata gtatgtatgt aaataatttg cacgatgtaa tggtatgaag gaggaaactg 120  
 ctaagcacat gtttatgctt ttattctgta attctctatg ctagctagtc tagccacaaa 180  
 tcattacca ctgttatagt tattgcaagt aacctgaatg aaattaattt gagttctcac 240

<210> 37816  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945248H1

<400> 37816

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 gactaagctc tacatttcca atttggatta tggcgtttcc aatgatgata ttaaggagtt 120  
 gtttcttgaa gttggcgacg tgaaacggca tactgttcat tatgacagga gtgggagatc 180  
 caagggtagc gcagaagtag tcttctcgcg ccgagctgat gctgtagctg cagtgaagag 240  
 gtacaacaat gttcagctgg atgg 264

<210> 37817  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945250H1

<400> 37817

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 ttcacccttt gcctttgaaa gaaatgggta gtcttgaagc ggaaagaaca acagtaggat 120  
 tggcagcaag agacccttca gggattctct ccccatcac ctacaatcta agaaacacag 180  
 gccctgatga tgtttacatt aaagttcact actgtggaat ttgccattct gatctccacc 240  
 agattaataaa tgatcttggc 260

<210> 37818  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945251H1

<400> 37818

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 tgacatgatt gatactgctg ggactattgc caaaggtgca gctctgttgc atcaagaagg 120  
 ggcaagagaa gtctatgcat gcactacaca tgctgttttc agtcctcctg ctattgagag 180  
 gttgtcaagt ggtttgttcc aagaagttat cataactaat acaattccag tggcagaaca 240  
 gaactatttc cctcaa 256

<210> 37819

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700945252H1

<400> 37819

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 ttgaattgta aaatggtttt gattattcag gtggaggtgg tttttgtgat ggtcccactt 180  
 gctaagggta attgcaagag tagttgaacg tccaagccac tccaatgatt ggaatgtttt 240  
 tgttgtttat gtaattg 257

<210> 37820

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700945253H1

<400> 37820

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 ttcgtctacg acctcccca aaccttcaac aacgaaatcc tcctccattg cgacaacctc 120  
 attccctgga gctcccgtg cgacgcctc tccaacgacg ccttcggccg aagcgccgct 180  
 gcgctcgccg gaatcgtccc ggaggatctc ctccggcgt ggactggac tgaccagttc 240  
 gtaaccgaaa tcatattc 258



<210> 37821  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945255H1

<400> 37821

aagaaatgtc atgaagttgc aaaacaggac caacaacact caaacaatt actttttcag 60  
 cagcttcagt cacatttta tcaacaacag cagcttcagt tttaacttt attgtcaaga 120  
 caacagggtta ttgacctag agaggtaaga ggtggtgatg aaatgacgat aaattacctt 180  
 tgtgaaaagc taggagtga actgcgttga agaaaaggat tgggaatgaa tgctgattca 240  
 atcattgatt ccattaaa 258

<210> 37822  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945256H1

<400> 37822

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 cgcgccacca ccttccttg caacccccag tctgcgtttc cgcagatcca ctgtccgcac 120  
 ataaagggtg atactctgct cagttatata atttgctaata aattttcact atctttacga 180  
 cgctgccacc gtgtcgaagg tcggtgcgtc gtcgcgcact ccgacgccgc ggcggcc 237

<210> 37823  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945257H1

<400> 37823

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 tattggtacc gtgccagtgg gacgtgttga gactggtgac gtgaagcccg gtatggtgg 120  
 gacttttggc cccactgggc tgacaactga ggtaagtct gttgagatgc accatgaggc 180

tctcacagag gctcttccag gtgacaatgt tggctttaat gtgaagaatg ttgcagtcaa 240  
ggatctcaag cgt 253

<210> 37824  
<211> 213  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945258H1

<400> 37824

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tgtgggaggc cacaagaagg aggaggagca caagggtag cagcaccatg gtggagaata 120  
caaaggggag catcatggtg aacacagtac tgaatacaaa ggagagcatc atgttggtga 180  
gcacaagccg gagcaccatg gaggagaaga gca 213

<210> 37825  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945259H1

<400> 37825

accgcaaggt cgctccgctc gcgtcgttgc tcaacatgaa gcttctcatt gctctgcttc 60  
tggtgttggtg cgcgccgttt tcatcttctt ccaaaccctaa agactcgtcc ctcggaatct 120  
ccccgaaga tgacaagtat tacaaggctt ccgatgtaat aaggtgtaaa gatggatccg 180  
gaaaattcac caaggcgcag ctcaacgtcg atatctactt ttgcgcttat ggcaccgatg 240  
aacctggcac atcgcat 258

<210> 37826  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945261H1

<400> 37826

ctcttgcgac accaagtctg agggtaaatt gacatctctg gatcagtaca tatctataat 60

gaaaactggg cagaaggata tcttttacat aactggaacc atcaaagaac aactggaaaa 120  
 ctctcccttc cttgagcggc ttaagaagaa caattttgag gtacaattta aattgtttga 180  
 tttttattac aagtatattt gctctattat atgttctttt agaaacattt gtacttctat 240  
 tctgctgaga gcatgatga 259

<210> 37827  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945264H1

<400> 37827

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 gactaagctc tacatttcca atttggatta tggcgtatcc aatgatgata ttaaggagtt 120  
 gtttcttgaa gttggcgacg tgaaacggca tactgttcat tatgacagga gtgggagatc 180  
 caagggtacg gcagaagtag tcttctcgcg ccgagctgat gctgtagctg cagtgaagag 240  
 gtacaacaat gttcagctg 259

<210> 37828  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945228H1

<400> 37828

ctctcaatga gatttggggt tgaaaggcaa ggcagaaatg agtcctcttt catgggaaac 60  
 caaacaaact tcattggtgg gtttggacag tacccaattg gggatattgg aaggtttgat 120  
 gcagagcaat ttacaccaag gttttcaggt aatggtgttt ccctcactct tgggtcttgac 180  
 tcattaccag gaactcatca aacatttcta ccaaaccaaa acattcaact tggaagaagc 240  
 ttggacattg gtgaacccaaa tgagt 265

<210> 37829  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945201H1

<400> 37829

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gaggggatga aaggcgtgaa ccaggtggat gtggaacgta aggccaacaa agtcactgtg 120  
gtcggctacg tcgaggcctc taaggtgggtc gcccgcatcg ctcaccgcac cggcaagaaa 180  
gccagagctc tggccctacg tcccctacga cgtcgttgct caccctacg cacacggagt 240  
ctacgacaag aaagccccct ccggttatgt ccgcaa 276

<210> 37830

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945202H1

<400> 37830

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gaaagcaaaa aaatggatga aagagagaca atacctctcc tcacctcata caagatggga 120  
aattttaatc tatccacag gattgtgttg gcaccgttaa cacgatcaag gtcttacaac 180  
ttcgttcctc agacgcatgc tgctctgtat tattctcaga agaactaata aggggtggctt 240  
cttgatcggg gaagctaattg gtgtatctga 270

<210> 37831

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945203H1

<400> 37831

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gaacttccca ggttggtgta tgtttccaga gagaaaaggc caggttacca acaccacaaa 120  
aaggctgggtg ctgaaaatgc actggtgagg gtgtctgcag ttctcacaaa tgctcccttc 180  
attctcaatc ttgactgtga tcattatgtg aacaatagca aggctgtacg agaagcaatg 240  
tgttttctga tggatccagt agttggcaga 270

<210> 37832  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945204H1

<400> 37832

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 gctgatttgg gacctttctt ccattgggtca acccgtggag ggcgggcttg acccgattct 120  
 tgcgtacact gcgggtgcgg agattgagca gcttcagtgg tcgtcttcgc agcctgattg 180  
 ggtcgctatt gctttctcca ccaagcttca gattcttagg atttgaaatt ttattaatgc 240  
 agtatcatca cttctgcttc tgt 263

<210> 37833  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945205H1

<400> 37833

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 tggcgctggt ccttctctac gaatccgctt cgggctacgc cctgttcgag gttcacggct 120  
 ccgataaaat cggccagAAC accgaagcgg ttccggaactc cgtttcggac ctcaacaggc 180  
 tcggcaaagt cgtaaagctt cgtcctcaca accctttcac ttccgctctc gatgctctca 240  
 agcagtgcaa cgccgtctc 259

<210> 37834  
 <211> 201  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945207H1

<400> 37834

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 accttcgttt caccacactt ccattcactcg tcgagtgtag aaatggctcc accaattgag 120

accccaacca aagtttccag ctatcagaac tacccaaacc ctagtcttaa cgagaggctt 180  
ctttcatcga tttcccggga a 201

<210> 37835  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945208H1

<400> 37835

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gtagtcttgg tgctgctatc atcttcaaca aggaccttgg ttgggatgaa cactggatct 120  
tctgggtggg accattcatc ggtgcagctc ttgcagcact ctaccaccag gtcgtaatca 180  
gggccattcc cttcaagtcc aagtgattca atcaaacgga ttcattgcatt aataagggtg 240  
agaacaacaa ccacaaca 258

<210> 37836  
<211> 201  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945209H1

<400> 37836

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atgttcattt attgaatccc accccaaatt tctaattctt tctctttcac tctcccacgt 120  
gcaccttctt cttccccgct ctaaataatt ctccgttccc atcattctct ctctctctct 180  
cccaatacat tattattata t 201

<210> 37837  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945210H1

<400> 37837

caaaattata ttaccgggca tggaccttct ggatgcaaac caaccagagg aaaaccattc 60

aagccctgag ttgctacttg cacaagttat ggcagcttgc aaaaagtatg aggtgaaggt 120  
 ttcagggtcaa aattcttctg agtctggtgt tccagggtgt tttgaacaaa taaagaagaa 180  
 tctatctgga gataatgtat tggatttgtt cacatatcat agaatgggag catctttctt 240  
 ttctccagag cattttcctt tgttc 265

<210> 37838  
 <211> 231  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945211H1

<400> 37838  
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 tcccgcacca gagattcctt ctctcgtcct ttcaggaaga aggcgagcat cgccttcacc 120  
 acatacctta gaagctacca cgtcggcgac tatgatgacg ctcaagggtta acgttgccgt 180  
 tcacaaggga attccccaca agattctacc atggccgaac cggacgcgtc t 231

<210> 37839  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945212H1

<400> 37839  
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 aaacatgtcg aacacatgcg gcaactgcga ctgcgctgac aagactagct gcaccaaggg 120  
 aaacagctat ggtgttattg tagagactga gaagagttac atcgagactg ttgtcatgga 180  
 tgttccagca gctgagcatg atgggaagtg caagtgtggc actaactgca cttgcacgga 240  
 ctgcacctgt ggccattaag gaatatgta 269

<210> 37840  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945213H1

<400> 37840  
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 atactgctgg acctctcagg ccaattgttc atggccagac tctgaaatac aacatgaaag 120  
 tcagatctgg gcgaggattt tctctcgaag agttgaaggc tgtgggaatt cccaggaaac 180  
 ttgggtccaac tattgggatt tctgttgatc acggagaaag aatcgttctt tgagagtctg 240  
 cagccaatgt gcagaggcta aaac 264

<210> 37841  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945214H1

<400> 37841  
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 atccccaacg gagcacttcc gtaagcactg gcagaactat gtgaagacct ggttcactca 120  
 gccagcacgg aagacaagaa gacggttggc tccgtagcag caagctgtga agattttcac 180  
 caggcctacg agctggacct cttagacca ttgtacatgg tcaaactttg aaatacacac 240  
 tgaagtgaga acttgaaagc ggatttcc 268

<210> 37842  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945215H1

<400> 37842  
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 ttcgcttctc tgtctttgta accgaaaggg gggaaaatat aattaacacc gatttcgcga 120  
 ccaattcttc ttctgcgttg aattgggaca acgagaaatt ggatctcagt ttttggcagg 180  
 aaataaaaaat tgcatttgag tgtaaaataa cagagtatag tgtagggcct tgttcttgat 240  
 actgtgctaa atttg 255



<210> 37843  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945216H1

<400> 37843

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 ggtgggttcgc aagccggcg gcacgttcct ggacgagctc ggcgtggcgt acgacgagca 120  
 agaggactac gttgtgataa agcacgcggc tttgttcacg tccaccatca tgagcaggct 180  
 tctagcgagg cccaacgtga acctcttcaa cgcggtggcg gcggaggact tgatcgtgaa 240  
 ggaagggagg gttgcagggg ttgtgaccaa c 271

<210> 37844  
 <211> 77  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945217H1

<400> 37844

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 aagtgggtgtt gttgacc 77

<210> 37845  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945218H1

<400> 37845

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 tttgcaaacc tttcttctcc aaatctcage ctctaagtt gcaagcctct tcacctttgt 180  
 cctcactctc ttcatattcc tctgagccac ccaaattctgt ttcaacgcca gagaaacaac 240  
 aacagatgag caagcaagca catgctgt 268

<210> 37846  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945220H1

<400> 37846

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 cgccatagcc cttagccttc tcttctcct ctccaccctt ctcctctcct cctacctctg 180  
 ctgccgccac aaccgc 196

<210> 37847  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945221H1

<400> 37847

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 ttccccttgg attacatgag agataccttt tctgtatcag ccagctgac atggatgatg 120  
 aaatttcac tcaaggccta gcacagtttg cagagaatta tgcaaagcaa ggtcttgtcc 180  
 ggcttcgaga gatatttaca ccagggtcac tcaaagtgcc catgacgcca gctgctctga 240  
 aggagtt 247

<210> 37848  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945222H1

<400> 37848

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 atgctctcta tttcagccac tcgtatattc ttctccgct caacaactat aagattatct 120  
 tcttcttctt cttctcttca attcttctcc aatcccaacc gcaccctctt ccgtcccttt 180  
 cttcacactt ccttcaaacc acttctctcg tctttctctt tccgaacaga tcacactatg 240

264

<400> 37849

ctcctaaaaa g cattcagacc aaag 264

<400>	37850
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catggactcc aaqgccacca taggtgccga 150

<400> 37851

aaaccgaaat tgtttgttgg taacaaaatc aatgctggaa ttacctgct gaacccctct 180

gttttgatc gaattgaact gaggccact tctatcgaga aagaggtgtt tccaaagatt 240  
gcttccgaga aaaagctata tgc 263

<210> 37852  
<211> 213  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945226H1  
  
<400> 37852

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cttctcttct tctcttctct ttcgtttcga tcttcgatct ctgaaaatga gagagtgcac 120  
ttcaatccac atcgggtcatg ccgctattca ggtcggaaac gcctgctggg agctctactg 180  
cctcgaacac ggcattcagc ctgatgggca gat 213

<210> 37853  
<211> 265  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945227H1  
  
<400> 37853

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tgaagtattg ttggtcattg aggcttacia agcattgcgt gacagagcac cctaccctgc 120  
taatcacgtt gttggccatc tcagtgggag ctttgctttc atagtttttg acaaacttac 180  
ttctaccctc tttgtggcct ctgatcaata tggttaaggta cctctatatt ggggaattac 240  
tgctgatggc tacgtagcat ttgcc 265

<210> 37854  
<211> 243  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945196H1  
  
<400> 37854

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aaaaaaaaga gtttcgga ttattccatc atgaacgctc ttcccattct tctcttcttc 120  
 ctcttcgttt cggcattagt ttatgcgaag aaaactggcg atgtgacgga gttgcaaatt 180  
 ggcgtgaagc ataaaccagc atcatgtgaa gttctggcac acaaagggtga cagagtcaaa 240  
 gta 243

<210> 37855  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945158H1

<400> 37855

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 acgtggaaga gctcgtctac aaaaatatac gatttgaggt ctgggatctt ggcggacaag 120  
 aaagctgagg acatcatggg caacatatta ccgaggaacg catgctgtta ttgcggtgat 180  
 tgacagcagt gatagagcca ggatctctat cataaaggat gaacttttta ggttgctggg 240  
 gcat 244

<210> 37856  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945159H1

<400> 37856

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 gctctcttct tctcagaaat atgccttctc agaagggtga aacgggtcat caagacacgg 180  
 tccatgatgt tgcgatggat tactatggta agaggctggc cacggcttca tcagatcaca 240  
 caatt 245

<210> 37857  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945160H1

<400> 37857

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 ttagaagggtt gaggactgct tgtgagaggg ccaagagaac attgtcatcc actgcccaga 120  
 ccacactnga aattgattct ctctatgatg gaattgattt ctactccact gttactcgtg 180  
 cttaattcga ggaactgaac atggatctct ttaggcagtg tatggagccg gtggagaaat 240  
 gtttga 246

<210> 37858  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945161H1

<400> 37858

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 gttctccgga gttgcgttct agcaattaga acttaaaagc aattatggct ttcacttcga 180  
 atctttttca gatttctcag aactgcagtt atcttgtag tttgggtttt catgattgga 240  
 tgcta 245

<210> 37859  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945162H1

<400> 37859

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 ctcccaagcg cctccatggc tgcacattta agaagaaagc tcctaaagct attaaggaga 180  
 taaggaaatt tgcccaaaaag gccatgggga ccaatgatgt gaggggtggat gtgaagttga 240

aca

243

<210> 37860  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945163H1

<400> 37860

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gtttgcagag aaaatctgaa tcatgtctgt gcaagcgtat gtcgacgac accttctgtg 120  
tgacatcgaa ggtaaccacc tactcacgc tgctatcatc ggccaagacg gcagcgtttg 180  
ggctcagagt accgacttcc ctcatgtcaa acctgaggag ataactgcca tcatgaatga 240  
ctttaatg 248

<210> 37861  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945164H1

<400> 37861

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ttatagttat cccattgtc gttattttct ttcttactcc ctctcaatta aacggtgtta 120  
gggttagagt aggattaggg ttaggggtcc tctttaccog cgtaattcta ccttccttcc 180  
aacaataaca acaataatgt tcggctccat caaccagatc gtctccgccg aagacaccga 240  
cgcccccgtc t 251

<210> 37862  
<211> 227  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945165H1

<400> 37862

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cacccacgat gttgtgtccc tcctctcttc tcctcaaagg gactttcttc ttcgaaacaa 120  
 cggcgtcagg ttaaaattga cagcttgaag ggtaagaaac ttggtttgta tttttcggca 180  
 tcctggtgtg gtccatgtca aacatttacg ccaactttgg tggatgt 227

<210> 37863  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945166H1

<400> 37863

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 ccggaattgg cgtgtccaag gcggcgctcc ggccttcggc gctccctacg gagcagacgg 120  
 tccgcaacgc gtcgcgacca acggcgggtct ccgagtgctc gtcgcagtcg gcgaaatccg 180  
 cggaggtggc gccgctgcac acggcagctg cctgggacga ttgggacttc gccgaggatg 240  
 gcgaatt 247

<210> 37864  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945167H1

<400> 37864

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 ctgctctcac cactctcttt gctttttttc ctctccgac aacgacctct ttcgtcgccc 120  
 taagcatggc aggacttgca cccgagggat cacagtttga tgctcgtcaa tatgatacca 180  
 agatgaatga gttgcttaca tctgatggac aggatttttt cacatcttat gatgaggttt 240  
 atgaca 246

<210> 37865  
 <211> 67  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945168H1



<400> 37865

aaatttgcac cccttaattc ttgtagaatt gatgtctggt ttgtacaatc aggtttccac 60  
acaacat 67

<210> 37866

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700945169H1

<400> 37866

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cacattgacc ctgagtgaac tttggtcttt gtatagattg tgtttcttgt ttatttgtag 120  
tttgtgacgg atgaaacat gccattgcat ccaccaaact tggtagcttt gttatgaact 180  
tgtgatgtaa tcctttccag taaattttct cttctgtgag ttgtcagtgc c 231

<210> 37867

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945170H1

<400> 37867

gttttcaaaa aggtctctgga agtgtgggac ctacaagtta tccctcttga ctctccagtt 60  
gctgagcctg cccagattga ccctgagctg gaaaatgact tcatttgtca tttgcaagac 120  
cattggtttt gtatccgtaa agtgaacagg gagtgggtata attttgacag tctctatgca 180  
gccccacagc acctttccaa gttttacctc tctgcctatc ttgactcttt gaaaggcttt 240  
gggtgg 246

<210> 37868

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945173H1

<400> 37868

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 tgaaagtaag aacaagagag gaggaaagtt gttgcactgg ttccaacact gaatcagtct 120  
 gtgaatggaa aaccaaggca agaactcaga tgctgttgat tctaagtttc aaaaatatca 180  
 cgaggaagga gctgcacccc agaagaagcc accagtgtac aagcctccag tgtacaagcc 240  
 accagt 246

<210> 37869  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945176H1

<400> 37869

cttggtgaga agaacatcac cttaacaagt tggagagaag gagcttcaat gatacgacat 60  
 aggctccgac aaaagaaggt tctcttgatt ttagacgatg ttgacaagca caaacaatta 120  
 agggctatgg ttggaagatc tggttggttt ggtgccgta gcagagtcac cattaccact 180  
 cgggacaaac atctactaaa atatcatggc gttgaaagaa cttatgaggt ggaggttttg 240  
 aa 242

<210> 37870  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945178H1

<400> 37870

attcaatttt gcgtttctct gcctaaaagg attgaaagat gggtaagca ttcggttgct 60  
 accaagtcga tcagtcaaatt gtggctatca aggagcattt tggaaaattt gatgatgtcc 120  
 tagagcctgg atgtcactgc ctgccttggt gtcttgggta ccagattgct ggtagtctgt 180  
 cgctgcgagt gcagcaactt gatgttcgat gtgagacgaa aaccaaggac aatgtctttg 240  
 tca 243

<210> 37871  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945179H1

<400> 37871

atgatcacca cgaagatgtc ttgagggatg attctcttcc tgtctgttca cctgacaaag 60  
tacacgatgt gaaattaggg gacttagcgg aggagagtaa tggtgctcct gcaacaagtg 120  
atggccaggc taatgctgcc tcaggttcta gtagcaaagc tggtagcgtc aggggatcag 180  
actctcactg attttaggag tggctataac tcaagctcaa gaggtgcaat gtcatttgct 240  
gctgctg 247

<210> 37872

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945180H1

<400> 37872

atcctcgatg gtaaataata cttttctcca cagcaatcaa tttatatgag tattcaaagc 60  
tagactgcgt tcttggaact tcttatgggt atgtggaata taactagtta ctctgcagtg 120  
taatggatcg ggaaggagga tctatcgctg gatcttgata ctactcggag ctcgggatc 180  
gtaaggatgg ctcttactat gatattcgca ctgactagcg caaaatcgat atgaggtggg 240  
accc 244

<210> 37873

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700945181H1

<400> 37873

aacttgctga atttattgat agtttcttcc tttgctgaat tgattttctc ctatctgttg 60  
tatgttactg ggcagcgcgt gctgtatgtt gacattgatg ttcaccatgg tgatggtgtt 120  
gagaggcctt ttacaccact gatagagtga tgacagtgtc tttccataag tttggggact 180  
ttttccctgg cacaggacac gtcaaggaca ttgggggtggg atcaggaaag aattatgcag 240

tcaa

244

<210> 37874  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945182H1

<400> 37874

ggatgaagaag gagaagtggg gagaaagcaa ggacaaaggg gtgttggtgg agataagtgg 60

tacttgata gctgcttaca agactgtaaa tattgggtgct gtttaataca cgagactagt 120

tctctttcga tgggcccttt tgagtgaaaa accttgctct ctcagctttc tttcgagaga 180

tcttaaagac attgactaac aacaataaag tggatcaatc aaaagactta cttcttcttc 240

taac 244

<210> 37875  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945183H1

<400> 37875

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aacacacaga aaaggacaac cacctcttgc catactgatg gatctttggca gtgctcgtcc 120

tgcaaggaag caaattagct ccaggtcaga ggccttcag ttgcaggatt gggcatctga 180

acattgctct gtccttttcg gagctcctga gcggtgggct tccccaagcc 230

<210> 37876  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945185H1

<400> 37876

cctgaaactt ggggtgcgatt cttcactca caacaacaac atctcactat ggctcttctg 60

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acacgctccc atcactgaac gcatcccat ccacagccac gcctacacca tatgccccgc 180  
 caccgcctcc gtccgcttcc tctcccgccg gcgtttcgaa ggcggnccga gttcgtgatc 240  
 tcga 244

<210> 37877  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945186H1  
 <400> 37877

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 ggttttggtt ttggatttcg atctcactgc attgccttct gctactgcta gttgcatgat 120  
 ggtgtgcaga actttgtagt tgatttgaat aaggcccttg ttttcaggt tgggcatctt 180  
 ggagaagctt atgaagagtg ggttcaccag cccattgtca gcaaggaagg cccccgtttc 240  
 t 241

<210> 37878  
 <211> 65  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945187H1  
 <400> 37878

tgaaggagta acagggatta tcatggttgc ctctaacgg caatacgcct gtcactctta 60  
 cgcca 65

<210> 37879  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945188H1  
 <400> 37879

atcctcattg gcacagccta ctcaagtcaa tcttgaatct gctgaaggag aagtaaaagc 60  
 taatgttcct tctggaaaca ggggaggtga attctctgct tctgcagggtg gacacggtgg 120

caaccttcaa ttgagaatgg ttctcaaaga aattttatct atcatggagc ttcctatgta 180  
 gtgaaggatg atggtgcagt cagtagtata agcaaaggga aaccttccaa gaaaagtgtt 240  
 gggc 244

<210> 37880  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945190H1

<400> 37880

gtttgcatca aaggagaaaa ctgggagaca cagaagatga gagagataat tagtattcat 60  
 attggacaag ctggaattca gtgacacctc tgttggcatt gcacacgatg ctttcaacac 120  
 cttcttcagc gagaccggat tcggcaagca tgtgccaaagg gctttatttg ttgatttga 180  
 acctagtgtt attgatgaag taagaactgg tccttacaga caactcttcc accctgagca 240  
 at 242

<210> 37881  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945192H1

<400> 37881

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 aaccatgtgg aacatgaaaa ctatgagacc cagattgaag atttaaagtt ggtcttaaag 120  
 gcactaatga aaaatatgag tccatgctta atgatgcacg gcatgagatt gacactctta 180  
 catgtagtgt tgaaaattct aagagcaaca tcgaaaactc caaggcagaa tgggagcaga 240  
 gag 243

<210> 37882  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945157H1

<400> 37882  
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 cgtcaccatt tataaatcct ttctgcttaa ctattgtgac gtacttctct tatatattcg 120  
 ttgctagttt tgggtttgtt tctcaccacg tcatcggcta aggtttctct gtagcctgtg 180  
 aaccatactg ggatttacca atgcttgctg ccagttgaca atatagtaaa gggacaattc 240  
 cttgt 245

<210> 37883  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700945121H1

<400> 37883  
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 tgctgaagtt acttttcaca agttttaccc tcaattcaat cagttccatc cactgcactt 120  
 cattactatc ccaattcagg tataatctca gaaaatgcaa cttgtttcttc gtttggaatc 180  
 aacactgttg gaatcatcag ggcaccgcgc ggggatngca aggaagctat tgtcttggtg 240  
 acgcctt 247

<210> 37884  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945122H1

<400> 37884  
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 tgtcccatat ctgatggatt gccaaaatct gctgatgaac ttagggaaga ggagcaagca 120  
 agaatgccga ttcaccatata actaagcttc ttaggaccat gggcaggcac cctgcatggt 180  
 actctcctgc cctgaccat gaaacagatt gatgaatgat gattcccata cataactaagc 240  
 tcaaaggga 249

<210> 37885  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945123H1

<400> 37885

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 ataattgaag cgtttgaagt tctgccaaag ctcgtgggtt tcgatctcga ttacactctc 120  
 tggccttcta ctgtgagtgt cgatcgaagc gcgagattcc ttctctgtat cccacgcca 180  
 aaggcatatt gttagctctc aaagagaaag gcacgcacat tgccatcgct tctcgctcgc 240  
 caacggc 247

<210> 37886  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945124H1

<400> 37886

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 ggatattaaa gaatcaaaca gaaatgaaat agcacttttc tttgctaaaa aaaaaaaaaa 120  
 aaaaaaacgg aaaaaggggg ccccccgcc taggggcccc ccccccggg gaattattcc 180  
 gggctcggcc ccggcggggg ccccgcttc cccaaagggg ggccgttttaa ggcctggggg 240  
 gaaccggggc c 251

<210> 37887  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945126H1

<400> 37887

tcttcatcca gggagggcaa atgtttccaa ggctgaactt aaggagaagc tagctaggat 60  
 gtatgatgtg aaagacccta atactgtatt tgtcttcaaa ttccgaacac attttggagg 120



tggcaaacca ctggatttgg tttgatttat gacacagtgg aaaatgctaa aaagtatgag 180  
 cccaaatata ggcttatcag gaacggcctt gacactaagg tagaaaagtc aaggaagcaa 240  
 atgaagga 248

<210> 37888  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945129H1  
 <400> 37888

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 ccaggaaagt tcacaagcag tggctcagtc caatccagtg tctacctatt gttcttaagg 120  
 ggcttgtgag tatggtgtga tgtggatgtg gtggaattct cggatattgg tgcaccagag 180  
 tcagttttcca aagagcaagc tgtacacaga gattgtagat gacttgcggg ggggcgat 238

<210> 37889  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945130H1  
 <400> 37889

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 agcagcttct tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg 120  
 cccatcagcc cagaagtggg aagggtgagc atgaggaaga ccgtcaccaa gcaggtctcc 180  
 tcaggaagcc catggtacgg ccagaccga gtcaagtact tgggcccatt ctctggcgag 240  
 cccccgtcc 249

<210> 37890  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945131H1  
 <400> 37890

gtaaaactgt gccttcagtt tgtaaaccag tgaatctcaa gggcaataaa aaggcattga 60  
 gtaataataa gatacgacag gcgagatctc gaaacagtaa gaatatccca tcaagtatac 120  
 ctcttcgcgt tctactagga aggccaaatc cttgtatatg caaagtcaat tgaatggagg 180  
 acataaaaaa ggaaaaaaga atgtgggacg taaaaaggga aagcaaggta aaaccaagaa 240  
 ggtgattcct c 251

<210> 37891  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945132H1

<400> 37891  
 tgaagctgtc ttgttgatga ttgaaaaccc tgccagggcc aatggccaca tatttaatgt 60  
 gggcaaccct aacaatgagg tcaactgttag gcagcttgct gaaatgctga ttcaggttta 120  
 ctcaaaggta gtggagaaca aactgctgaa acacctacca ttgatgtgag ctcaaaagaa 180  
 ttttatggtg agggatatga tgacagtgc aagagaatcc ctgacatgac cataataaac 240  
 aagcagcttg gat 253

<210> 37892  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945133H1

<400> 37892  
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 gtttgttcac tgtcccttta ttggcggttac tatgctaact actggagcaa aagagacca 180  
 attacgtgag aacaacagcc agaaggcca tcctcaacca atggaagagg ccatgaatca 240  
 gaatccagaa g 251

<210> 37893  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945134H1

<400> 37893

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 tatgtgttgc tatttctctc tttcacatcg ctggggccga agatccctac aggttcttca 120  
 actggaagtt acttatggtg acatttacc tcttggtgtt cgccaaacgg gaatattgat 180  
 caacgggcaa ttcccagggtc cagatattca ttctgttacc aacgacaacc tcatcatcaa 240  
 tgtcttc 247

<210> 37894

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 700945136H1

<400> 37894

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 gaaaccgttt cattttctag cgcgtgactt tcaaatacaa tcttccatac caatggcctt 120  
 cagcacgtc tcagatctgc cgcgaacttg tcgcttcttc cgaatcctcc ctctctactt 180  
 cagtgagcag agggttt 197

<210> 37895

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700945139H1

<400> 37895

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 tatatcagtc ctattggggc attttctctc tctttccttt ttgtcttttg gtagctaadc 120  
 atcagctcaa tggcgcggtg atatacttga aaactttgtg ctgagatatt ctatatgttt 180  
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<210> 37896  
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<223> Clone ID: 700945140H1

<400> 37896

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 cgaaggaaga atctggaaat catcagggaa gtatccgtga gatcttattc aactccctgt 180  
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<223> Clone ID: 700945141H1

<400> 37897

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 aaagtttgag aagtttggtg tgtctccatc taaaggagta cttttctatg gtcctccagg 180  
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 tgtgaaagg 249

<210> 37898  
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<223> Clone ID: 700945142H1

<400> 37898

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gaaatgcttt ccctcaatgt tagatctgtg aattacacca ggggaagttt catctttccc 180  
 ggtgctcagc cctatcccca tcgcaacttt tctgaggaag ttgctattct tgatggctac 240  
 tttggcaa 248

<210> 37899  
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 <213> Glycine max  
 <223> Clone ID: 700945143H1  
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 agccccaggt attctccctc caattccaat tattaacca ccaaccacac cagggaaggg 180  
 agggaaact ccatgcccac caccaaagtc tctgcgag gctacgtgcc ccattgacac 240  
 gctcaa 246

<210> 37900  
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 <213> Glycine max  
 <223> Clone ID: 700945144H1  
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 accttcaaga acacatcgcc atggcaagga acttgcttct tgtgcttttt gcagtagcca 120  
 ccctctccat ggctcagcag cccaaccag acacatggtc ggtgatgcca cgggctggat 180  
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<210> 37901  
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 <213> Glycine max  
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gaaaccgttt cattttcaag cgcgtagactt tcaaatacaa tcttccatac caatggcctt 120  
cagcacgctc tcagatctgc cgcaagttg tcgcttcttc cgaatcctcc ctctctaact 180  
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atgag 245

<210> 37902  
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<213> Glycine max

<223> Clone ID: 700945146H1

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tgcagacctg atacctccga catcatgatc caattagatc aactcaattc cagcatccaa 180  
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<210> 37903  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700945147H1

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cgcaccttgc gggttcccga accctatcct tacagcagag gctacgtaaa gtccgtgggc 180  
gaggccacgg tgaacctgga gaaggataac actttcttct ccaagttgga ccaagagtcg 240  
aagccggt 248

<210> 37904  
<211> 252  
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<213> Glycine max

<223> Clone ID: 700945148H1

<400> 37904

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aactgcaaca aattcagagg cctgaaaccc agagagcacg ctgcgctcaa ggactgcgcc 120  
gaggaaatag cgacagcgtt gaccgcctca gccggtcgct gaaggagctc aagctatgta 180  
agggttaaggg tgaggacttc acgtggcaca ttagcaacgt ggagacatgg gtcagttctg 240  
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<210> 37905

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700945151H1

<400> 37905

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tcttatctcc agattgctgg ggcggaagca caaccgttga ctagtctcaa gcttaactct 120  
catatcttca ggagtctact gctaaagaga ttaatgaaaa tcccaggagca ggatgggagg 180  
ctgctataaa tctcgttttc tccaattata cagttgaaca atttaagcgc cttcttggag 240  
tca 243

<210> 37906

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700945153H1

<400> 37906

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aacttcgaaa acatattgat gccacgttag gtatgggaaa tctgagggaa gcagtaaagc 120  
tacctcctgg ggaggattta aatgagtggc tagctgtcaa cactgttgat ttcttcaatc 180  
agggtgaatct tgctttatgg tacccttaca gagttctgta ctctgagaa ttgtcggaca 240  
atgtctgc 248

<210> 37907  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945120H1

<400> 37907

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 cacctgcac ttttaatgtg ctttctaagt tctttctcac cccaatcaa cgctcttctc 180  
 aacctcactt taccacacca acacctcac ccgaatccg tcgtccacga tctccaacgg 240  
 aaggtgaatg 250

<210> 37908  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945156H1

<400> 37908

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 tgaaggagct ggtgtgcttc ctggcatcaa ggttgacaag ggcacagtcg agcttgctgg 180  
 actcaatgga gaaaccacca ctcagggctc agatggcctt ggtcagcggt gtgccaagta 240  
 ctacga 246

<210> 37909  
 <211> 131  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945084H1

<400> 37909

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 catgtgatga gatgaaccaa gcacaacaac ttcaagaagc ttgaagtttg aactgtctca 120



aacatgttct c

131

<210> 37910

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700945085H1

<400> 37910

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ggatgtactg ctactctcga ggattggggg ctcgagcttc gtatcactct tcagttctcg 120

ttgttatgct tcgcttgctg ggactagggg tttcagtttc gattcattcg gtaataatta 180

gagatgtttg ggagggcacc gaagaagagc gataatacga 220

<210> 37911

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700945086H1

<400> 37911

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tgctttcgtc gctcgccagt ttgttagcgg gagctcagtt attctgtttt attgacgaag 120

tgataacaaa tggatgatgg gaggatgagc atattgcccc tattgatctt acattgaaag 180

atccagttaa aagtaattgg gatgatgaag atgtggatga caatgatgtg aaggaatcat 240

gggaggatga agacgagcct gctccgg 267

<210> 37912

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945087H1

<400> 37912

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gagcattggt gatgactggg actgcctgaa acccatgggc aggacttttg agacacattg 120

tggatccttg tctcaatcgg gatgaacaac atgaggtgct ttgcagacat ctgcaatgtc 180  
 gggataaaga atgaacaaat ggctgaggct tccagcacga gcttgtgtca gtgttcctta 240  
 caatccctgg agttctctag caaggg 266

<210> 37913  
 <211> 56  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945088H1

<400> 37913

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<210> 37914  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945089H1

<400> 37914

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 tgatgcttca agggagtcta ctaatgggtg gacaactaaa ttcacatgat catttcaaag 120  
 actggagact tgatgtgata acatgtccta tgagcaattg ctagagcttg gtgagagaat 180  
 tggatcatgtg aacactgggc ttaaggaaga tgagatggga cggaacataa ggaagactag 240  
 gcttcaattt tgggatgata catca 265

<210> 37915  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945090H1

<400> 37915

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 caaatagaag attttgctaa ccagaacaag tacttgtcac ttaatgtttc catggatgaa 120  
 caatctgttc tgtctaataca tcagtcttcc aggaaaggct tgggagtttg ggagttgcta 180

ctgaagttga taatgcttca gcctcatctg tggtttggtc aagtaagaat agttctgaat 240  
caacattggg ttagaaagaa t 261

<210> 37916  
<211> 261  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945091H1

<400> 37916

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tgtaacaaaa atcaaaaatga attttctcca aatacatacc catcgaaacc taccacagat 120  
aagactacag tgttcaaacc aatccaacaa ccaaaagtgc agacaactct aaatcagcta 180  
acaaaaatth agctgaagat ttcttttttc caccaaacc agcttcacg gcancattgg 240  
tccccaaccc atttcagcct c 261

<210> 37917  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945092H1

<400> 37917

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aaacaaaaac caaacaactg aagctggaag gcaccaagag gttggtcaca agagccttct 120  
ccagagtgat gctcttacca gtatattctg gagacaagtg tctaccaag agaactgaa 180  
tccatgaaag aactgagaga gttgacagca aaacaccat ggaacatcat gacaacctct 240  
gcagacgaag ggcagttctt gaa 263

<210> 37918  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945093H1

<400> 37918

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gttcacgggtg acgatgaccc tgtggtgatg gtggttccca acctctcccc gcccaacacc 120  
tacgaagctg tcgtcacgggt ggcaccttcg accgattgca caatggccac cgcctcttcc 180  
tcactgcttc agcggagttg gctaggtgcc ggattgtaat tggagtttgt gacggaccta 240  
tgctggcaaa aaaacagttt g 261

<210> 37919  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945095H1

<400> 37919

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cattggtgtg aagcgtgccg caacctcgcc gcgcaggaac tgtggtccga gcttgaccct 180  
ttctctgacc tccttggtt cgataccacc accaccacca ccaaccaacc accccataca 240  
gaca 244

<210> 37920  
<211> 186  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945096H1

<400> 37920

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gatcccaaaa tcgtgaaatc cgatgacgac cgctgcaaga cccacctggg catctgctag 120  
aggttgcaac gaacaagtgg tactcgaatt ttcggtcctt caaaaagta ctcttctagg 180  
gacatc 186

<210> 37921  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945102H1

<400> 37921

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tctaattgttt tcaggctttt cggcagagaa aagcccatc atcatgttct tggcggtgga 120  
aaaccggctg atgtttttct atggagaaac aagaagatat ccgcatcgac actcggagtt 180  
gcgaccgcta tatgggttct gtttgaattg cttgagtacc acctcctgac tttggtttgc 240  
cacttctga tctt 254

<210> 37922

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700945103H1

<400> 37922

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atggatcatt gttggcgagg atttcgtctt ttggatagtt tggctaacca gccgttttat 120  
ttagaggggtg ggatgaggat cactgattaa atgaacaaag tctgtaaaat tagctagttt 180  
caattcgtaa gaactatttc atctttctta agcctgttat aaacatctca aggttttct 239

<210> 37923

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700945105H1

<400> 37923

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agccacccaa tccccagcac tgatgattcc cattcagtc aaattatttt accacagaaa 120  
cagttgggtg gaagtcagac atgtacctat tttgtgttc gtatactcac aatgttgctc 180  
caaagggaaa atttattgca tttgtatcaa ctgaggcaga gacagatcag ccggcaattg 240  
aactgaaa 248

<210> 37924  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945106H1

<400> 37924

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 tgaggcaggt ggccctgcc aacgcagaag ctccggcaga aattgccacc gcaaacacgt 120  
 cgaagaggggt agtaatagca ctcggtttca ttctcccaca ttcccaattc tgagcggttaa 180  
 gatgagttag aaagagaaaag gcaataatag tgagggacag tcgacgttgc tgcacggcaa 240  
 gtacgagctt gg 252

<210> 37925  
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<223> Clone ID: 700945107H1

<400> 37925

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 ccgccgcgcc gcacggaggc acccacggaa ccaatctagc catcagttga aacagtgagc 120  
 ttacaaaaaa tgcaactgca cctgcacaaa ttcttacaag ctttggccat gagttgaggg 180  
 cttgtcttcg ttgccgcctt gtcaaaacct atgatcagtt cagagagtca ggctgtgaga 240  
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<210> 37926  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945108H1

<400> 37926

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 ggtcttcatt ggcattcgcc ttgaacagca attcggattt attaagattg gaatcatata 120  
 cttggtgtcg ggtttggtgg aagtgtactg tcgtctctat ttatcagaga ccacatctct 180

gttggtgctt ctggtgccct ttttggactt cttggcgcaa tgctgtctga acttatcaca 240  
aactggact 249

<210> 37927  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945109H1  
  
<400> 37927

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cagttattgc cttgttgttt tgtttccggt tcggtttatt tcaatggatc gggcggcggt 180  
gacggttgga ccgggcatgg acatgccgat catgcacgac agcgaccgtt acgatctggt 240  
acgcgacatc 250

<210> 37928  
<211> 267  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945110H1  
  
<400> 37928

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gggcccggcg ggcattggcg gctgggaggg cccatggact tcgggcggaa caagtccaag 180  
ttccaggaag tccccgagac cggcgtgagc ttcgctgacg tggcaggcgc ggaccaagcg 240  
aagcttgaat tacaagaggt tggtgat 267

<210> 37929  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700945112H1  
  
<400> 37929

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gagctatggg tatgactctg tacaaaggcc ctgccttcca aatcataaag ggtggaggag 120  
ccatgagcca catagcaact ctagcagtac cagtaccacc gaaccctctg accagcactg 180  
gatagttgga actgtttatc tcatatcaag ttgtgctagt tgggctggct tcttcatttt 240  
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<210> 37930  
<211> 250  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700945113H1

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ccttcacttt ccatcactat cctcatcctc actccaacca ccacctcttc caccaccagc 180  
gtcaagcana actctaatagc tcgatacatc gccancgtca cagccacggg ncccgccatc 240  
acattccacc 250

<210> 37931  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945114H1

<400> 37931  
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atatcagttc tggtgtcgca gttttgagtg gtgctagtag tttgctcggt aatgaatatc 120  
atgaagcttg cagcacaaaa ctagagagcc aaaccttggt gcaaagttgt tctttggtgg 180  
tggtggcgtg caaaaaacag ggaccgaaat tgcaacagct ttgaataata tggatgtag 240  
cagtgaata 249

<210> 37932



<211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945116H1

<400> 37932

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 caccctctga gttttgctcc tatttggtcc ttcaaactct cgtccacacc aggggcactt 120  
 acagttaccg gaattcagtt gtttcggctt ttattaggat aaacgaagca tgtcacgatt 180  
 ctaaagctcg aaactttcaa tctttgaagg ttaaggctgc ggatgataat ccaagcacca 240  
 aaacaaagag tattg 255

<210> 37933  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945118H1

<400> 37933

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 cctcctttat gttgatgggt actactacta tatatgccag tccccattca tattatatgg 180  
 ttcttcaact ttattagtct ttgcacgaca ttggatctat gtaacccaag atggcataat 240  
 gggaagatat a 251

<210> 37934  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945083H1

<400> 37934

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<210> 37935

<211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945119H1  
  
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 ccgttgtctg ccggaatttc ttacctagg aagctacgac aatgcgtccc gctccgagct 180  
 tctcaagact caggggattt ctcgatcct caatactggt cttcttctgc aaaatctcta 240  
 caagaact 248

<210> 37936  
 <211> 144  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945052H1  
  
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 cagatttcct taccggtttg gtcagtgtaa gctaccaact tggctattta aagtgttatg 120  
 tgtaattgct ttaattaact tatg 144

<210> 37937  
 <211> 225  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700945053H1  
  
 <400> 37937  
  
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 tctatctatc aatcgatata tccgagttca gccgaaccaa actccgaagc tatggcagag 120  
 ctccaaacca aggttgaacc tgtacggtcc cggctccggt ggatcccagag ccaccgctag 180  
 ctgaggctcc gccgctcgag aagaaagcgg tggcgggtgcc acaac 225

<210> 37938

<211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945054H1

<400> 37938

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 tgtccagtat tgatcattaa tgtttcaatc aagagacagc tcaaaaccaa atgcaaattc 180  
 aaaactttgg ggaacctttt tttctgggta tacatgaagg tgaaactctt gacgaaatta 240  
 aagtgcgaat acaaaaactaa cttcaagttc ctg 273

<210> 37939  
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 <213> Glycine max

<223> Clone ID: 700945057H1

<400> 37939

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 ctggagatgt aagaagcctc tggggattac ctactgaaa ggaatatcat gggaatttat 180  
 gatgttgata ctctgcaat caccggcgga ttgcggcaag atggcagtct tattggtgtt 240  
 ttgagcactg acaattccaa aaaggatgag ga 272

<210> 37940  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945058H1

<400> 37940

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 catggccgcc gccgtgacag atatggcccg ccgccacacg attagccaaa tactggtgga 120  
 cctcctcaag tttgccgtcg gtccgccatc gacggctctc gcaaaatcat ccctggtagg 180





<223> Clone ID: 700945065H1

<400> 37946

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 aacaagaggt cattcaagta tcctgggtgc ttgacaagct caaggctgag cgcgaaagag 180  
 gaattaccat tgatattgct tcgtggaagt ttgaaaccac caagtactac tgcacagtca 240  
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<210> 37947

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: 700945066H1

<400> 37947

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 gcaaggacgc agtttttctt caggcggacc tacatgggat gttcccaaag gaagaaagga 180  
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<210> 37948

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700945067H1

<400> 37948

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 cgccgctatc atcggccaag cggaagcgtt tgggctcaga gcaccaactt ccctcagttc 180  
 aaacctgagg aaataactgc catcaataat gactttaatg agcctggatc acttgctcca 240  
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<210> 37949  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945070H1

<400> 37949

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 ctaacatttt ttattagtaa gagacatggc tcaaccaggt tccaacgggg atctgaataa 180  
 taaccagcag ggtcagggtc agcaacagca gcagcagtgg gcggcggcgc acgaatactg 240  
 tatcagcaac agtgggtggc catgca 266

<210> 37950  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945071H1

<400> 37950

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 tgagcaaatt tttgaaggag tgaacttgca aagttggtta aaactgaacg aagatatgca 180  
 tggattaagc gccgaatgag atcaaataaa gaaatttggg 220

<210> 37951  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945072H1

<400> 37951

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 ggagttttca ctagtgcac tgtggtagca cttccagga tgtgaaccat gccgttcttg 180

ctgttggata tggagttgaa aatggtgtcc catattggct cataaaaaat tcatggggag 240

aaagctgggg tgaaaatggc tacttcaa 268

<210> 37952

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700945073H1

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ggataaagaa agtagtggtg atagagtgtc aaaccgtact gaaagacaaa atgaggggtca 120

tcgagttctt atggattttg gtggaactac ttttctcata aagacacagt tcaatttggc 180

cagaggcgtg ttcttattag tgacaaaacg cccttgtact ttcaacatga tgggcattca 240

agaacaatag ttggaattca agtccaatat 270

<210> 37953

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700945074H1

<400> 37953

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ttccgttcca gaaagaatca gcttcacttg gccatgttgg ccttgcagtt tggctatgct 180

ggattccatg ttgtctcaag agctgcactt aacatgggcg ttagcaagct tgttttccca 240

gtctatcgga acatcattgc cttgcttc 268

<210> 37954

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945076H1

<400> 37954



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 aagcttgacg aactaggggtg tgtagttca cacaaccaag ctgctaaaac ctttaaccta 120  
 cagctacatg ctctctgact aaattgcagg gccaatatcc agattcaaat gtcacatacg 180  
 ttgatatctt cactataaaa tcaaacctca tttcaaactt ttctagatac gggtttgaac 240  
 acctattatg gcttggtgtg gatacg 266

<210> 37955  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945077H1

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 aaaacagcac cgatagcaaa atgggttgata gtaagatctc tgcagtatat aatcaattta 180  
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<210> 37956  
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 <212> DNA  
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<223> Clone ID: 700945078H1

<400> 37956  
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 aggactctaa aggctcaaag gctaacaagt gtaacaagat gcacattcat gaagtttatc 120  
 aacgtccttc ttgatgactt cgggcacttc attcatatgt atttggtgaa aggactatag 180  
 tcagttcact catctcacag actttggatc agttgaagag atgctcttca ttgaccaaaa 240  
 aatatcacca tcagcttcaa ggttttatca 270

<210> 37957  
 <211> 269  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945079H1

<400> 37957

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gcatttcattg ctttgcagcc cctcaaagtt cctgcattca gttttgcatg gcttgagttg 120  
attagtcaca ggagcttatg ccaaaaatgt tgactggtaa tggtcacaaa gggtggcctt 180  
atatccaaag gttgcttgta gatctgttcc aatttatgga gccttttctg aggcatgctg 240  
aacttggaga accggttcgt gtcctctat 269

<210> 37958

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700945080H1

<400> 37958

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taccaagtat gcgttgacta tatccccagt ggcaatgagt ctggaggagt tgataccatc 120  
aaaccatgcc aagtcttact atattccatc ttcacagaa caggggttgg actttctacc 180  
ctggttattg gtctctcagt tccctttttt ggtctggtga tgcattgat tggatcatta 240  
ctcacaatgc ttgttacttt gatactac 268

<210> 37959

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700945082H1

<400> 37959

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gataaagaaa gtagtggtga tagagtgcta aacagtactg aaagacaaaa tgagggtcat 120  
cgagttctta tggatttgtg tggaactact tttctcataa agacacagtt caatttggcc 180  
agaggcgtgt tcttattagt gacaaaacgc ccttgactt tcaacatgat gggcattcaa 240

gaacaatagt tggaattcaa gtcaaa

266

<210> 37960

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700945051H1

<400> 37960

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tattattagt gtccctctgt gtgaccacca ccaccaacgc cctaatagcca tacacacgta 120

gcagcaccct ctgggacacg atgtctcatc agaggaccgc ttcagaatcc tggaacacac 180

cccattcagc gacattccca cgaccacca aggggtggac gatctcgccc tggcacgtgc 240

ggactg 246

<210> 37961

<211> 279

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945024H1

<400> 37961

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atcataatac tgaggatggg gtggatatct ggttgtaggg ttagaatgtc tgggtggcata 180

cgaccctcg nttngnat canttggggc gctggaggga naacgggtga tcttacattg 240

gaaattgnca acaagatgca gaacattgtc tgtgtgaga 279

<210> 37962

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700945025H1

<400> 37962

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cacctgaaaa ctctaaccga ccatgaaaac gcggtgtcgt gcgtgaagtt ctcgaacgat 120  
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 tcaccctctg ccaccgcctc gtggggccact ccgagggcat ctccgaccta gcctgggtcct 240  
 ccgactccca ctacatctgc tccgcctccg acg 273

<210> 37963  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945026H1

<400> 37963  
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 gagggactct cctcttaaga tcatgacttt gggttgagtt ctggtgagga attcactgac 180  
 ccagttgttg gtttgtttgg atccattgat tacgtttcac cagaggctct ttctcaaggg 240  
 aagataacta ccaagagtga catgtggtct ctgggg 276

<210> 37964  
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 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700945027H1

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 gaccggatct gtatggattt gatccagatc acacgccgat ggtgggtttg gccgggtcct 180  
 tcatagatct ggtgcgtaga ggctcagatc tacggtaccg aggtacaaca gagaatcgat 240  
 gacaagaacg cagatccgac ggtagatcca gccgattcc 279

<210> 37965  
 <211> 273  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700945028H1

<400> 37965

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 aaaaggactt gcttatcttc attcagttct tgtcttgaa ttctattgt tcatagagat 180  
 ttcaaatcca ccaatgttct tctagatgcc aaatttgaag caaagatata tgattttggg 240  
 cttgccaaac taatgtcaga aggacaggag aca 273

<210> 37966

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700945029H1

<400> 37966

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 ctacgatgtg ttcttcaact tcagaggggt agacacacgc tatggtttca cgggcaatct 120  
 ctacagggct ctttctgaca agggattcgt accttctttg acgaagagaa gcttcacagc 180  
 ggagaggaaa taacacctgc acttttgaag gcaattaaag attccagaat tgccatcact 240  
 gtgctctctg aagactttgc ttcttctca ttttgctt 278

<210> 37967

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 700945030H1

<400> 37967

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<210> 37968

<211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945031H1

<400> 37968

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 acgtgaagta cacagagact gagatcagtc cgtgtacaac tatgaaacca ctgaacttgt 180  
 tcacgagaac aataatggca cttatcagtg ggttgtaag cccaaaactg tcaaatatga 240  
 atttaaaacc aacacccatg tccctaaact aggggta 277

<210> 37969  
 <211> 281  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945032H1

<400> 37969

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 cctcgctctg ctccagttca ccatgccctc ctccagcccc tgctcagagt ggtggtggat 180  
 ctatgcttgg tggcatttgt tcaaccatag ctcaaggtat ggcttttggc accggaagtg 240  
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<210> 37970  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945033H1

<400> 37970

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 taattttggg tcatagaact gtgtatagag gcagcaaata agaagagttt atgaggaaat 180

ttaccaggag gatcttgtga agcgcctaga gtctgagatc aaaggagact ttgagaaagc 240  
cgtgtaccga tggatactgg aacctgcaga tcgtgatg 278

<210> 37971  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945034H1

<400> 37971

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tataacatcc agaaggaatc taccgcact tgggtgttgcg gcttcgtggt ggcatgcaaa 180  
tctttgttaa gactttgact ggaaaaacca taactttgga ggttgaaagt tctgatacca 240  
ttgataatgt gaaggcaaag attcaggaca aggagggc 278

<210> 37972  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945035H1

<400> 37972

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gttgaccag ttagtagctt ctgcatcaat caagcaactg gccgtcttcg tttttgttgg 180  
agtaatgtct gcttacacat gttcactctg gattttctga accaagtggc aaattggctt 240  
gaaaaaagac ag 252

<210> 37973  
<211> 177  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945037H1

<400> 37973

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 aaggccaaga tccatgacaa ggaagaattc ccccgatca gcaacgtctc atcttcg 177

<210> 37974  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945038H1

<400> 37974

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 tgctcttcta gcaggacata tatagacaat gaggcagcaa aacaacacgg tgtaggcctc 180  
 attgcttcaa gtgttgcatg catgggtcca aattgtttca agctaacttt ttttactctg 240  
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<210> 37975  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945039H1

<400> 37975

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 acaagactgc tcatcagttg gccatgaagt tatccgtaat tatgttgctt ccaacaaaaa 180  
 tggaaaaggc gaatgatttc atttttactt aacgaaggaa gatgtatgtg atgttgcttt 240  
 atggttgaca ggaatggtgg ataggcaact gaacac 276

<210> 37976  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945040H1



<400> 37976

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 gatgtactca aagacaagtt ctatacaaga ctaaagtaag taacatggta tagtatatat 180  
 accaaatagt atgtaaattt cgacagtatg taaatttctt atttcaaatt tggtagacca 240  
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<210> 37977

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700945041H1

<400> 37977

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 gttcacattc acatctgggt ctgagttgtg aattcagcaa cttcatctg gtgccactaa 180  
 caaagtgacc ctttggataa gaatccaaaa gggatctga ggatctcaca aatttgttga 240  
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<210> 37978

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700945042H1

<400> 37978

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 gctatacaaa tgtgatccag ctgtcattac tttggtcaca aggcaacaag tgctggattg 180  
 aaggaccaag aggcaattaa tttcttggaa aagaagatga agaatgaccc ttcatttaca 240  
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<210> 37979

<211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945043H1

<400> 37979

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 agtcgagagc tccgacacca tcacaacgtc aaggctaaga tccaggacaa ggaggggtatc 180  
 cccccagacc agcagatgct gatcttcgcc ggcaagcagc tcgaggacgg acgtaccctt 240  
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<210> 37980  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945044H1

<400> 37980

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 tttgatgagg atggtaatcc tagctttcga gttttggtct tatgaaaaat agcaggggatg 180  
 ggaaaagtta tagcacaaat ttggcattta ccctccaga gtatctcaga actgggagag 240  
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<210> 37981  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945045H1

<400> 37981

caaacaacaa ggttggttca acttgtgtga agggattgga acatggaaaa tcttggtggt 60  
 tctagtcgta ggaaagcaat tgaggagctt cttagagggc gtgattctgc ccaacaactt 120  
 aagagtgtca tcaatgggac tatgatgatg gatcagccac cccatttgct caacaacttg 180

tgaaagaggt gctcatgtcc ttcacaaact ccctcttggt cttgcacaac aaccccactt 240

ctgaatcaca tcatgtcttc aatgttcaag ta 272

<210> 37982

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700945049H1

<400> 37982

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cgctaacgcc aagactttct cgcctctcgt gctagacgga ttctccaaca ctctcaccag 120

acgtggctac tctcaaagcg caaaagggga ggagttgcct ccatagcacc caaatcaggg 180

gaagacaaag gtgtctcatc atacaaggtt tcctgggtgc cagatcccgt caccggttac 240

tacaaaccgg aaaacatcaa ggaggttcat gtt 273

<210> 37983

<211> 213

<212> DNA

<213> Glycine max

<223> Clone ID: 700945050H1

<400> 37983

atgatgcttg taggcgatga tccatggcag gaattctgtg ccatggttcg caaaatttat 60

atctacccta aagaggagat ccagaaaatg agcccaggta ccttgagctc gaaaaatgaa 120

gagaatcatt cggtgacggc taggaaggtg cagatacaaa agatgttaaa tgtcagccgc 180

atcaaaagtt caattcagaa aatggtcttg acg 213

<210> 37984

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700945023H1

<400> 37984

ggtggccata tgctgaggca tttcttcgat gattggccac gatcactgca agactctgac 60

aacgttgaaa acaatgctgc tggccctagc ctctctatct caatgcccg aaatgctgct 120  
gctgcttcct cggatgtgtc attgaaatgt ccacgggcta tggagaggac ccaggcccaa 180  
gaaatgagaa tgtgggcctc gtggcagagc agctgcagtt gaattgggcc ggaggatggg 240  
cctcgtctaa tcaagtggct tccatgggag gaccac 276

<210> 37985  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944991H1

<400> 37985

aacggtcata aaaaatggaa gaattatggg aagcttgaca ggaataccaa ctgataaaat 60  
tgctgacaaa ttttggttag tcttccaagc acttggtgac attgcctttg cctatccata 120  
ctccattctc cttcttgaga tccaggacac tctagagtct cctccaccag aaaatcaaac 180  
catgaaaaag gcctccatgg ttgcaatctt cattacaaca ttcttctacc tgtgctgtgg 240  
atgctt 246

<210> 37986  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944992H1

<400> 37986

gaacttgaga aaatttcaca gtgtagccaa agtcattgga acccttataa cagtttcagg 60  
agctatgggt atgactctgt acaaaggccc tgccttccaa atcataaagg gtggaggagc 120  
catcagcaac catagcaact ctagcagtag tagtaccacc gaacaatctg accagcactg 180  
gatagttgga actgtttatc tcatatcaag ttgtgctagt tgggctggct t 231

<210> 37987  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944993H1



[illegible]

<400> 37990

<210>	37991
<211>	287
<212>	DNA
<213>	Glycine max

<400> 37991

<210>	37992
<211>	285
<212>	DNA
<213>	Glycine max

<400> 37992

15210

agatggggtc gcacttcttc tgttcaagac acttctcaga attcg

285

<210> 37993  
 <211> 135  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945003H1

<400> 37993

aacaaccaac tgcagaagaa aacctgcaaa atttggcagc tgacacaact gacacagatc 60

tgaagaaga acaagatatt aattttatta atggaaagag cgaatctgaa cttagacaac 120

ccaaatacac caacc 135

<210> 37994  
 <211> 185  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945005H1

<400> 37994

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tttatcagtc aagtatttta attatgaagt gaaacttttc tcttctttaa atgaccaaatt 120

aacttgtgga gagggttaga tatgactgac acgtcagtga ggactgagtt ccttaacccc 180

caaaa 185

<210> 37995  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945006H1

<400> 37995

tgaagctggt atttccaagg atggacagac tcgtgaacat gctctgcttt cattcaccct 60

tggtgtgaca cagatgattt gctgctgtaa caaaatggat gctactacac ccaagtattc 120

caaggccagg tatgatgaaa ttgtgcagga gtctcttcct acttgaagaa agtaggatac 180

aaccctgaca agattccgtt tgttcctatc tctggttttg agggagacta catgattgag 240

aggtccacca accttgactg gtacaag

267

<210> 37996  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945007H1

<400> 37996

gcgtggaacc tctctctctc tctctctctc tctgcggaaa ccggaatata tcagttctct 60  
gatcagatcc atccgacgtc gtttcagtga taatggctcc gttcagcggc gatgagacgg 120  
cacggttttt cggcttcctt ggagccgcag tgcctcgtc ttctctgta tgggagctgc 180  
ctatggcaca gcgaagagtg gcgttagcgt ggcttcgctg ggtgtgatga gaccagagct 240  
ggtgatgaa 249

<210> 37997  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945008H1

<400> 37997

tgtcagtgtt gcacgcgtc tgggtggtaga ctaagggaag agacaaggac cacaacatct 60  
gctcaagtgt tactgcgtgc ggcacttcca tgctctctt catcatcgca tcttatcttc 120  
gctgccactg caacagggta ggaagatgca gagttctcca ttgttgatgg ttttgtggag 180  
ataagtgaat gcattggcaga gatgaccaag tacgtggcta atgaaccata cgatgggctt 240  
ttcttttatcc aacagcatgc tcaaatgca atatcaatat c 281

<210> 37998  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700945009H1

<400> 37998

ctcgagccga tttcaacatc taatcctttt aggaggatag tatatttgag ctttacagtt 60



atcgatcatgg aattagacca tgggccgcat attgaatttt ggatcagtc tctaatttta 120  
 tgtgttagtg cccctttttt atggctagac tttttgctgt gtttgggtg gctgtacaag 180  
 atttcttgat gtatgtggga tgcacaagcg tgcaaaactca tacgtagagt attatgcact 240  
 gctattacgc aataaggtca tcatggatta tttttaaaaa 280

<210> 37999  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945010H1

<400> 37999  
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 tgatcctcaa aaagctccag gatttgattt gtaataagaa atctagcaac tagttcatgg 120  
 gttaatgtac attttaaagt gagattgtcc acatttatct tctgctatct cgattggatg 180  
 agtcttacct ctttttattt tttgctcaca tatttgatct ctctttctg gttggcttct 240  
 gcttgaggc aagttctact gacatcagaa atcatggttt 280

<210> 38000  
 <211> 278  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945011H1

<400> 38000  
 caatgacact ggcaaccttg tgcttcttga tggcgcctcc agcagtactt gggagagttt 60  
 tgatgattat agagacacct tgctgccttc tcagactatg gaaaggggtc agaagctttc 120  
 ttctaaactt aggaggaatg acttcaaatt ggcagggttg agctcttttt ccaaaatgat 180  
 ggtaatcttg tgatgcactc tataaatttg ccatctgagt atgttaatgc taactactat 240  
 gcaagtggaa ccattgagtc caacacatca agtgctgg 278

<210> 38001  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945012H1

<400> 38001

gttttcgatt cgatcaactc actcacgcgc acgcctttca ttccattcca ttccgatgct 60  
 atgacgacga cgaattccct cttcttctcc cttgactggc acaatgaatt ctatcctacc 120  
 tatcatgatt tctaccttct ccccttttcg ctctcttctt cccttccctt cgcttctttc 180  
 tcgaccgatt catattcgag aaagtggcga gacggttgat ttccgaaaag gggcatgcgc 240  
 cgctggacta ccattcagac gagagaag 268

<210> 38002

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700945013H1

<400> 38002

gcgctacgaa gagatggtgg agttcatgga gaaggtctcc gccgccgccg acaacgagga 60  
 acttaccgtg gaggagagga acctcctctc cgtcgcctac aagaacgtga tcggagcgcg 120  
 ccgcgcctcg tggcgcacga tctcctcgtc gaggagaagg aggagagccg cggcaacgag 180  
 gatcacgtct ccgtcatccg cgactaccga tccaagatcg agtccgagct ctccaacatc 240  
 tgcgacggta tcctcaagct cctcgactct cgcctcatt 279

<210> 38003

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 700945014H1

<400> 38003

agccaagtga aagagagaag aaaagtcaaa gacaatgtca gggatcattc acaagattga 60  
 ggagaccctt catgtgggag gccacaagaa ggaggaggag cacaaggggtg agcagcacca 120  
 tgggtggagaa tacaaagggg agcatcatgt gaacacagta ctgaatacaa aggagagcat 180  
 catgttggtg agcacaagcc ggagcaccat ggaggagaag agcacaaaga ggggttccta 240  
 gacaagatca aggacaagat ccacggcgag gaggggtggc 279

<210> 38004  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945017H1

<400> 38004

gcttcacccc aatccaacgc tccataatcc tcgacttcat taactcgta agttccaccg 60  
 cggggggcccc acttccctcc gtagcatcgt ggtggaagac cacggacaag tacagggggg 120  
 gatccactac aatcgtccta gggaacaat cctagaacaa acttattccc tcggaaacta 180  
 cctcaacgga acacaactag tctctctctc ctcacgttc gaccacctca acgccatcaa 240  
 cgtcgttctc acatctagcg acgtaggggt tgacggcttc tgc 283

<210> 38005  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700945018H1

<400> 38005

ctcagtctca actctgctcc gaacaaccat cacttggtcc ncntngagan gaccgctacc 60  
 tacctaccgc tacgacatca tateccctgcc gtcgtcactc tcctctctct tctcgtctct 120  
 tcttctcact ctcatcctct tcttccaaac tccaatgctt ctgtctctct ctcgtatttc 180  
 gcacctcttt ctcaatcagc gaagagcgga ggttcgcgtt tcgagtggag gatacggaac 240  
 tgtgtcggca ccgatgtcag ttgcgtctga tctgatcag ttgaagagcg ccaga 295

<210> 38006  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700945019H1

<400> 38006

ccaacccttg gtgaatttct gagcagtgcg cagcatgttg tcattattcc ctaacttggt 60  
 cctcttccta tcaactgttaa ttggtctatg caattgcagg gtgcaaacc taaactacta 120

cccaactcac ttcaaccac aggtcccacc ctaccgaacc ctctcgtcct cgaagcgctt 180  
 cgaggggtcc tcggagttcg tcaagctgaa ataccacatg gggccggtgc tttcatctcc 240  
 gatcaatatc ta 252

<210> 38007  
 <211> 130  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945020H1  
 <400> 38007

cttccaggtg cttattaacc gagtcaagga tgttgctcga accatgacag aagtcgatat 60  
 tgcggtgtac agaaaagggtt aactgtataa gctccaattt acatccaagg aacagacctta 120  
 gtggtgggta 130

<210> 38008  
 <211> 277  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700945022H1  
 <400> 38008

ctttaactgg aatagagtta aattacggtg ctgtgatgga gcatctttca gtggagatag 60  
 tgaagatgag tctgcacagc tccagtttcg aggacaaaaa atatggctag ctgcaatgga 120  
 ggaattaatg tccaaaggaa tgcagaagcc gatcaggcac ttctctctgg atgctctgag 180  
 ggtggtctgg catccataat aactgtgat gatttcggga gcttgtttgg aaaatcttcc 240  
 aaagttaaat gtttgagcga tggaggtttt tttcttg 277

<210> 38009  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944990H1  
 <400> 38009

cttttatgat tttggaatga tgggaagtat cagtcaaaat atccgacgaa ggtttacttg 60

aagcttttta tggaatttat gagaagaatc cagataaggt ccttcaatca atgattcaaa 120  
 tgggtgttct tgtcccaact ggagatatga ctgctgttaa acgaacagca cagttcttcc 180  
 tcaacagtta tgaagagcgt ttggctgcac aaaggagaga gagagagatg gaaacagctg 240  
 aacttgatt 250

<210> 38010  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944955H1

<400> 38010

atcccacctg accagcagat tcttatcttt gcgggtaaac agcttgagga tggtcgaacc 60  
 ctgcgcgact acaacatcta gaaggaatcc actctccatt ccgagtttcg cctcagtggc 120  
 gccagttcta tctgagcata gactttgtct ggtccgcaga tcaccctcga tgtcgaatcc 180  
 tcggacacta ttgataatgt ctaggccaag atgcaagact cggaggctgt acctccagat 240  
 gaaccgttgc ttata 255

<210> 38011  
 <211> 68  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944956H1

<400> 38011

ttgaatccaa gttgttaccg tattctgtta ttattgactt agaatcctta accttttctg 60  
 ctgttttag 68

<210> 38012  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944960H1

<400> 38012

ctttaaacgc cgaagggttca tccaatctcc gaaggccttc atcggtattgc aaccatgtcg 60

acgagaaatg ttagagagcc tcaggaggaa aacgtgactc tgggccccagc tgtagagat 120  
 ggtgaacatg ttttcggagt cgctcgaatc tttgcactct tcaatgacac cttgattcat 180  
 gtcactgatc tgtctgggag ggacacactt gtccgcatca ctggcgggat gactgctaca 240  
 gctgac 246

<210> 38013  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944962H1

<400> 38013  
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 tgttgctggc aatttagatt ttgtttctga agaaggaatt taaaaaatga aaattcagat 120  
 caatggagtc tgtctcatct aatatgcttt tctttcataa gaccttagcc ttgaagtata 180  
 attgttaacc catttctctg ctttctgtta tcagttagca ccaccatgtt atgcacctcc 240  
 aattgtactt gt 252

<210> 38014  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944963H1

<400> 38014  
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 tattgtttca ctaattaact agaaaataag cttcccttta taagtgaat ccagagccac 120  
 taccactaca gtatatacat attaattagt gaaacaatat gtggactttt aacaccgaac 180  
 ttacattcaa atttactcca tcagtcagta ccaacacact ataaactatg ctttgtgatg 240  
 tatgagagc 249

<210> 38015  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944964H1

<400> 38015

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 tgttcattggc gtggccatca aggggtcaag aacagggtgg atgccaatgt ccagaaactg 120  
 gggcctaaat tggcaaagca acaactatct caatggccaa agcctctcat tcaagggtcac 180  
 aaccagtgat ggccgtacag ctgtgtccta caatgttgcc cctgctgggt ggtcctttgg 240  
 ccaaactac act 253

<210> 38016

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700944965H1

<400> 38016

ttcagatcta gagaggaggc cgtacattga aaccatcgat cactccccgg aatctatgat 60  
 ccggatttca ttgctgcca ccaaggagac cgtgccacta acgtaatcag gggcatgaag 120  
 taagaacaag ttctacaaat catcaaagac attaattgagt tcaaggacag cactaagggt 180  
 gacaagggtg ttgtcctgtg gacagccaac acagagaggc acagcaacgt atttgtggga 240  
 ctaaagcaca ccagggaata 260

<210> 38017

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700944966H1

<400> 38017

caggggtggc ggagactctt tgagtattgt gccgaatacg aggtttcaat tgtactctc 60  
 gatggttctt tgtgagtacc caaatcctat aaaatccgat gataataacc atgcaaatg 120  
 gagatgagta catccgtcct tgttcgggcc agttgccata cctggtecca acccctttca 180  
 tttttgaatt tttctcggcg ccaaaaacgc ggtc 214

<210> 38018  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944967H1

<400> 38018

agataaggta gcgtctacca cctcagcgac aacccatgcc aataccccat cacgctcttc 60  
 ctactccagg tgcaagtgca actcattaga ggaattaatt ctcacactcc atgccaattt 120  
 ctaaccgccc tctctctcag gctatctttt gccgtcaaaa ctcgggaaac cttcgtctcg 180  
 aagtgggatc tcttctttta atcccaatat gcatttagag ttatgatc 228

<210> 38019  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944968H1

<400> 38019

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 aatcctcctc catccccact gtgtgatctg atcctaaacc ttatagccat gactaccatg 120  
 gagattaagc tatggaatga caagcgcgaa agagaaatgt atgacatctt tggggagctt 180  
 tatgccatta tcaaagctac tgagaggctt gagaaggcct atgttagaga tataatttca 240  
 ccgcagg 247

<210> 38020  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944970H1

<400> 38020

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 gggaagtgat gatccttttg acaggatcac tacagcggaa gctatcagaa ctcttattga 120  
 cttctaccgc acttctcagc actcttatgc tgcaagacaa aaagtggacg agatatccag 180  
 agttaaagga actgtgcttg aagctggagg aagtgaaggct cattttctga tgcagtcgta 240



caccttaacc

250

&lt;210&gt; 38021

&lt;211&gt; 249

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700944972H1

&lt;400&gt; 38021

gaacttctac aaggaatcat gccctcaggc tgaagacatc atcacagaac aagtcaagct 60

tctctacaag cgccacaaga aacttgcttt ctcttggtc aggaacatct tccatgactg 120

tgctgttcag agttgtgatg cttcactgtt gctggactcc acaagaagga gcttgtctga 180

gaaggaaaca gctcgaagct ttgggttgag aaatttcagg tacattgaga ccatcatgga 240

agctttgga 249

&lt;210&gt; 38022

&lt;211&gt; 252

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700944973H1

&lt;400&gt; 38022

ggatatattgg catatgattt cccagccaca tatgtcagca atgatcatgg agcatcagaa 60

acatttcagg ttgggttctc tgtaaatttt gtggaagctg ttgagagcca ttctcattca 120

agaacatcta ctggtgtatc ctggatccca tcgaatacag ctactcatga agaccagcct 180

cttgagaaaa tcgaagagtc cagcattcct gataagacag cgcttgagta tttatcaacc 240

tcagtctctg gt 252

&lt;210&gt; 38023

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700944974H1

&lt;400&gt; 38023

tgtgagagat agtgactgca aaaccgctcc agccttggtt cttctcagat cttcttccat 60

ggaacagtac gagaaggtgg agaagatagg cgagggaaca tacggcgtcg ttacaaggc 120  
 tcgcgaccgc gtcaccaatg agaccatcgc tctcaagaag attcgcctcg agcaggagga 180  
 cgaaggcggtt ccagcaccg ccattcgcga gatttctctc ctcaaagaga tgcagcatag 240  
 gaacattggtt agg 253

<210> 38024  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944975H1

<400> 38024

gtggaaatat ggaggtacat gacatgcttc acggactccg tggccttgaa agctgtcata 60  
 gagcttcgta tagcggacat actagaccgt tatggtaaac cactatcctt gtcgcaaatt 120  
 gtggagaaca tagaagacgc accctcccca gatgcctctc ttctccagag agtcttgaga 180  
 gtgatggtcc gcagaaagat cttcagtgcg caagaatcag agacaggaga aaccctcttc 240  
 ggcttgac 248

<210> 38025  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944976H1

<400> 38025

gtgaataaga agtttagtaa tcagtacaag gcaaccattg gagcggattt tttaccaaaa 60  
 gaagtgcaat tcgaagatag gcttttcacc ttacagattt gggatacagc tggccaagaa 120  
 agattccaaa gccttggagt tgctttctat cgtggtgctg attgttgtgt tcttgatat 180  
 gatgttaatt cgatgaaatc atttgacaac ctttaataact ggagggagga tttctgattc 240  
 aagcaa 246

<210> 38026  
 <211> 244  
 <212> DNA  
 <213> Glycine max

002220.032200

<223> Clone ID: 700944977H1

<400> 38026

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aatgacaagg ttgcagaact tgagaaagag ttgcaacttg cacgggatgc tattgctaac 120  
cagaaaggag cagagtccca gaagttggaa ctagaggcag cattacagaa ttctcttgaa 180  
gaacttgaaa ctaagaaaaa tgatatctct cttttacaga aacaagtgac agctctagag 240  
caga 244

<210> 38027

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944978H1

<400> 38027

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tacccttttt caggtttcaa cgctccaact atccatggca aaccgctggc tcagaccgga 120  
gggtgatcca ctgttcgctg cggttggtgc tgctgtggg atctgtggat tccaactggt 180  
tcgtaatatc tgcataaacc ctgaagtcag ggtgaacaag gagggaagga aggcaggagt 240  
tttggag 247

<210> 38028

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700944979H1

<400> 38028

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cggcagtgac ggtgctactc ccacctagga ttccgaccac caccaacggt acccgctgct 120  
ctgctttgcc ttctctccct cctcgcgtct ccaacaccaa aaccactttg ttctcacctt 180  
ccctcaacaa cttttcagtg tcccgaat cttctctgct tcagacca 228

<210> 38029  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944980H1

<400> 38029

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 atcttctgca tcaaactcca gttcagtcct tggagttgga gaaggcatca ggaaacatgg 180  
 caagcgaact accaagttgg gctgatcaat ggggtgctgg tggatttggg gccatggaag 240  
 ctgatga 247

<210> 38030  
 <211> 191  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944981H1

<400> 38030

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 atccctttcc catatagacc ccttcattct cccaagatg cgactgtcat gacatctctg 120  
 gtcattattc aacctgaaag tatggaggca gatccatcgt ttccctcaga ttactccgg 180  
 gccagattt c 191

<210> 38031  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944982H1

<400> 38031

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 gactagcagg agccggcgcc ggcgccactg gttgaccga aggagtttac gtcattgtcc 180  
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255

<400> 38032

<400> 38033

<400> 38034

15225

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gcagtccatc gccgccttcg gctccaccgt catcgctcgag ggctgctgact ccgcccgcga 240  
cattgcctgg gt 252

<210> 38035  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944952H1

<400> 38035

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ctcactgtgt accatggaga gatctgtaag taatcatgga ggtgtttagg tagtcaagag 180  
actgaccta caacattgag caagctaatac agtttgatgg gtggtgtctt ggggcaacat 240  
aattatttac tgct 254

<210> 38036  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944989H1

<400> 38036

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ttagctgcga actaagtttg agtataatgt agttgtaatc taactgaaat ttgcgagtat 180  
gggattcgat tgtgcagata ttcgaagatg tctgtcgaag tggttcgaca ttacgagtc 240  
tgacatgggt ga 252

<210> 38037  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944924H1

<400> 38037

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 agggaaggac tcaacaaaa aaatttcaaa cataattgga aaagcagcaa attatgctgg 180  
 ttccgcaaaa tctaagaagc accttcctta cgttcccacc ataaccaact aactcaagt 240  
 ttggtgggtt cctaattgtg 260

<210> 38038

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700944925H1

<400> 38038

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 aagctctgac accatcgaca acgtcaaggc caagatccag gacaaggaag gaatcccccc 120  
 ggaccagcaa cgtctcattt tcgccggaaa gcaacttgag gacggccgta cccttgctga 180  
 ctacaacatt cagaaggaga gtactcttca cctcgctctc cgtctccgtg gtggcatgca 240  
 gatcttcgtt aagacactc 259

<210> 38039

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700944926H1

<400> 38039

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 cctggcaatc gtcgaagtcc tcacgcccgc cgagaagcca atcaccaacg accacctcga 180  
 ttggtacgct attctccagg tcgatcgac gtgccaggac ctcgatctca tcccgttaaca 240  
 gtaccgtaga ctcggtct 258

<210> 38040  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944927H1

<400> 38040

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 ggtggaaagc tctgacacca tcgacaacgt caaggccaag atccaggaca aggaaggaat 180  
 cccccggac cagcaacgtc tcattttcgc cggaaagcaa cttgaggacg gccgtaccct 240  
 tgctgactac aacat 255

<210> 38041  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944928H1

<400> 38041

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 ctaggcattg aagaagactt caatgttcta gagaacgagt ttgagcagtt ggtgatgtcc 180  
 tctgaagctc tagatcattc tgatcctaata gctggaaaag tgtctcctca gggctctaac 240  
 aaagatgtta aag 253

<210> 38042  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944929H1

<400> 38042

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 ttgatgaagg ggtcgcaaag atcccaagat tatttcatca tccacctgat gaatttgtca 180



tggcttcaaa gttaggcaac acagaatata ctatacctgt tatagacctt gcagaagttg 240  
gcaaagatcc a 251

<210> 38043  
<211> 252  
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<213> Glycine max

<223> Clone ID: 700944930H1

<400> 38043

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ggcttcatcg ctgagaagag atgcgctcct ctaatgctcc gtttggcatg gcactctgct 180  
ggaacttacg acgtgagctc gaagaccggt ggtcccttcg gaaccataaa gcaccctctc 240  
gaactcgctc ac 252

<210> 38044  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944931H1

<400> 38044

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tttgggatat tttgatgggg agagctcaaa gattggagtt ttagcatttg ggggaggtgt 120  
tcatgctgat ttggtcttac ccatttctag aaaccttcca ttgaatgatg gggtgtggtt 180  
tgctattcag aattccagtg atgagggttt gaaggagttt aggggtgcctc agaataccta 240  
tagggctggt ttgg 254

<210> 38045  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944932H1

<400> 38045



[illegible]

<400> 38048

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tttagattag	acgctatagt	ttgggcaaga	agaagtgttt	tacttaatTT	tttccaagct	180
attgctgata	ttgggaagaa	aatgaatcag	gaaatgaatg	gggttgaggc	agagaggggtg	240
aaagtgaatg	tgcatgaca					259

<223> Clone ID: 700944936H1

<400> 38049

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ccaccaggtg	aaaatcctaa	gaaacctggg	gctcctcata	atgttcgact	atattcaatt	180
gcttccacaa	ggtatgggga	cttttttgat	ggaaaaactg	ccagcttggtg	tgtgcgtcgt	240
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<223> Clone ID: 700944937H1

<400> 38050

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agaacagcac	ctgtcagatg	taattatctg	aatttcaact	tgtttttacg	tgttagatgt	180
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255

<400> 38051

<400> 38052

<400> 38053

15232

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 gaacacttgg acgaacactc tttgctgctg ctgccagatc aaaacaatat gccactacag 180  
 cagctgctgc tagcagagaa ggacacaacc cccttcagga gttttttgag gcagacagga 240  
 gccctgaaga tgacaa 256

<210> 38054  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944943H1

<400> 38054

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 ttagtccttt gggttttatca aaccacactt gcaccaatca aaaccacaaa acacaactcg 120  
 tcacatcaca tcacatcaca tctattttca ttacttcac c attttcactg 170

<210> 38055  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944944H1

<400> 38055

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 cccgctagtt ggtggtggta gctctgatgg atactgtttt tgacttgtct atagatttct 180  
 aggagttcag ttggttaata caaccagtgg aggagatctg aattttcggt agtttcaaaa 240  
 ttttcattga 250

<210> 38056  
 <211> 147  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944945H1

<400> 38056

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<210> 38057  
 <211> 249  
 <212> DNA  
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<223> Clone ID: 700944947H1

<400> 38057

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 tgccatagat atttatttga agtctcacc atgggttggtg gagtcagaga gagagcaact 180  
 atgtaggctg atggattgcc agaagctctc attagaagca tgcactcatg ctgcgcagaa 240  
 tgacaggct 249

<210> 38058  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944948H1

<400> 38058

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 tgcttggacc gcatcagaaa gcttgctgac aactgcacag gtctccaagg ttttctgggt 180  
 ttcaatgctg tgggtggggg aactggctct ggacttgggt cccttttgct ggaacccttt 240  
 cagtggacta 250

<210> 38059  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944949H1

<400> 38059

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 ggaggaaatt cgcaaagttg ttgaacttca agaagagctt gatattgatg ttcttggtca 180  
 tggagaacca gagagaaatg atatggttga gtacttcggt gagcaattgt caggctttgc 240  
 cttcactgtt aatgggtggg t 261

<210> 38060

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 700944923H1

<400> 38060

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<210> 38061

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 700944950H1

<400> 38061

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 gacttatcca gtgcatgttt aaagaaagga acatgttctg cttttgtaga actgcacata 120  
 gacacgggtg caattctgga agatggaggt atatctatag gcatagtcac tgccattgta 180  
 ggtccagcaa gtctaaca 198

<210> 38062

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700944951H1

<400> 38062

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 gctattcatc ggaggactta aagtccatag ctaagctcaa tgaactctat gaatcatgga 180  
 tgtcacagca tgacaagatt tacctaagca atgaggagaa gcatcttagg tacgagattt 240  
 tcagggat 248

<210> 38063

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944890H1

<400> 38063

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 tgtgttttgg ttgactgaga gatacaaggt ggcaatgggt gttgctgagg ctttggagta 180  
 tctgcataat aatgaaggcc aatctgtgat ccacgcgat gtaaaatcat caaatgtgtt 240  
 gctatctgag gattt 255

<210> 38064

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944891H1

<400> 38064

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 tcatttcaga aaaagggtgtc actactcttt ggacttggcc atgctgtgga ggaaaagttg 180  
 aatgggtcaa gtccaggggg accaagacaa agagcagaag ctttggctgc cttatcta 240  
 gcatttggtt catctt 256



<210> 38065  
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 <223> Clone ID: 700944892H1  
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 aagtctgtga ttatcgtgga gcatataatt ccgacaagtg ttcaacaaat tgtggaaaac 180  
 caacccaaac cttgtacaat gtcccacgat c 211

<210> 38066  
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 <213> Glycine max  
 <223> Clone ID: 700944893H1  
 <400> 38066  
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 tgtattagcc ttcatagcct tccaagaagc atctacaaat tgaaatctct taaaacactc 180  
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<210> 38067  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944894H1  
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 tcaatccttt ccactaaggg tgtgttttga cttcagagca aacctaaagt ggaaaagggg 180  
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ttctctctgc aactatgg

258

<210> 38068  
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<212> DNA  
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<223> Clone ID: 700944895H1

<400> 38068

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caccacgttg ttgaacagta gtaatgaatt caccattcaa ccaggcatca tcagctataa 180  
gctcgcggaac gggcttctcc ccaacagttg catgggtaac atcaggatat tgggttgatg 240  
agtgattgcc ccagat 256

<210> 38069  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944896H1

<400> 38069

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agttagctat ggtatggcct gcctccccac acagatcaca aatagggggg gatggagcag 180  
gctacatgag ctgtgtctga gccttcatca gagtctctat ctatttggcc atgacatcga 240  
gcttgccggg gcagtga 257

<210> 38070  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944902H1

<400> 38070

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agggccatgg atgagtacac tctctgagat attcatgggt ggaaagaaca caattgtgtt 120  
gcacaacaca tgtgaggact cactgttagc tgctcctatt atcttggact tggtccttct 180  
tgctgagctc agcactcgaa tcgagtttaa agctgaaaat gagggaaaat tccactcatt 240  
ccaccagtt gcgaccatcc ttag 264

<210> 38071  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944903H1

<400> 38071  
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atgagaagac cgttatagca atattgggtc acagaaatgt tcatcagagg caacaaatca 120  
gaaagattta tgaggaaatt taccaagagg acctcatcaa acgcctagag tctgagctct 180  
ctggtgactt tgagagagct gtgtaccgtt ggatgctgga acctgcagat cgtgatgctg 240  
ttttggccaa tgttgccatc a 261

<210> 38072  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944904H1

<400> 38072  
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acagtattgt atcagaaggt gactgcaaga acacatatta tcagattttc ctctctccac 180  
cttatcagaa tatatcctct accatatgca aacctgtttg gcattcatac gaattgaggt 240  
acaccaagac gggtgaca 258

<210> 38073  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944905H1

<400> 38073

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tatgataatg gtccattagt cacgggctct tcttattaga cattggatct gcatattttg 180  
aaattattca agtctgagcc aattatctgt atctagtgtc tcggtgtcac agtgtgtggt 240  
tgtattactg 250

<210> 38074

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944906H1

<400> 38074

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tgatgaatcc cctcctgagg gcattaaggt tgtggtaaat gatgatgatt tttcgacaat 120  
atcttctgac attgaaggcc cagctggaac tccttatgag aatggagttt tccgaatgaa 180  
gctgttgctg tctcatgatt tcccgcattc tccacctaaa ggttttttct tgactaagat 240  
tttccatcca aaca 254

<210> 38075

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944907H1

<400> 38075

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accatatcca ctgaatgggt tggagccggt gatgagccag cagacacttg agtttcactg 180  
ggggaagcac cacaagactt atgtggaaaa tctgaaaaaa caagttgttg ggacagagct 240  
tgatgggaag tcaact 255

<210> 38076  
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 <212> DNA  
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<223> Clone ID: 700944908H1

<400> 38076

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 gttggcacac ttggcccaaa gtcacgatcg gttgacgtga tttcccaatg tcttgaggca 180  
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<210> 38077  
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<223> Clone ID: 700944909H1

<400> 38077

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 atctccgaga gcaggggtta tctttagaat ttctttctca gaggacaacc cttcttggtt 180  
 ggctatagga ggctcaaagg gaaaattgca agtttgggat accttatctg atgctggcat 240  
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<210> 38078  
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 <213> Glycine max

<223> Clone ID: 700944910H1

<400> 38078

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cagaccatgg tgacggaggc ggaaattatt tgcaagcaga acattccgat gttggacgtg 180  
 aagaagtacc atcttcgcgt ggcgcaagag ctccggcgtta acgttaaggt cgtcgagggtg 240  
 tctcccacct ctaacggc 258

<210> 38079  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944911H1

<400> 38079

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 ctcccattcc aagttcattg cgagatcttc taaagcctgg ccctgcaagt gttgaaatcg 180  
 atgatcacc tatgacaatt gaagaaacac agtacccgaa aaccttcttc tatgaagaag 240  
 accttcatcc aggc 254

<210> 38080  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944912H1

<400> 38080

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 ggttttgccc tggcttttca tagatctgat gcatggaggc tcagatctac tgtacagagg 180  
 tgtgcgattc atgttcgtct ctcttttgga atctgtttcg tagaaagtcg tttggctctc 240  
 catgtcgcat ggc 253

<210> 38081  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944915H1

<400> 38081

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 acgtttggct cttgcttcaa ttggtaaact catgtttgct caattctctg agcttgtcaa 180  
 tgattattac aacaatgggt tgccttcaaa tctcactgcc agcagaaacc ccagcttgga 240  
 ttatggattc a 251

<210> 38082

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944916H1

<400> 38082

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 aatctggtat ttcttaggat ggacagactc gtgagcatgc tctacatgct ttcacccttg 120  
 gtgtgaagca gatgatctgc tgctgtaaca agctggatgc cacttccccg agttactcta 180  
 gggctatgta tgttgaaact gtgactgaag tctcttcta cggaatagg gctgggttaca 240  
 tcca 245

<210> 38083

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944917H1

<400> 38083

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 gtgaatttac atttaggtct gatgtgctg gagtgaaatt aagacgtgat cgaattgtag 180  
 ttgttcttga gcacaagata tatgtttata acttcacaga tttgaagctt cttcatcaga 240  
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<210> 38084  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944918H1

<400> 38084

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 tgatacagtg aagtatttca ttcaagacat tggtgagaag attgaaggag cagttggggt 180  
 tgggaagcca actgcagatg tcaactgggat acacattcca tcaattaatc ttgagaaggc 240  
 agagctag 248

<210> 38085  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944919H1

<400> 38085

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 gatccaggac aaggaaggaa tccccccgga ccagcaacgt ctcatcttcg ccggaaagca 180  
 acttgaggac ggccgtaccc ttgctgacta caacattcag aaggagagta ctcttcacct 240  
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<210> 38086  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944889H1

<400> 38086

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 atgatctttg cccttgctta ttgtactgct ggtatctcag ggggtcacat taaccagct 180



gtgacatttg ggctgttttt ggcacgcaag ttatctctca ctaggacagt gttctacatg 240  
atcatgcagt gcttggg 257

<210> 38087  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944921H1

<400> 38087

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aaccaaacat gtcgaacaca tgcggcaact gcgactgcgc tgacaagact agctgcacgt 120  
aagtgcctca tttcttttct gcatttgtgt gcaagacaat ctttacacat atgtagttca 180  
tgttacaatc accatatttg atcgctaaag gattaatctg tataggagta tattatgcat 240  
acagtatact gagatct 257

<210> 38088  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944857H1

<400> 38088

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gcagaagggc gaatcgaaag ggttcgtgga agagatgagg ttcgtggcga tgaggctgca 120  
cacgagggac caggccaggg agggcgagaa ggaggtcaag cagcccagg agaaagccgt 180  
taccaagtgg gacccatccg tcgaagggtta cctgaaattt cttgtggaca gtaagctcgt 240  
ttatgacacg ctggaga 257

<210> 38089  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944858H1

<400> 38089



<223> Clone ID: 700944863H1

<400> 38092

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 tgtatttgca ccccccaatc ctttttaatt aatcatgttt tctttgggtt gtatgtacta 180  
 cacactttga tgtcactgtt atgtggagct ccaacaagtg gtatgggctg caatttacia 240  
 aacacaacia cttgatgggtg c 261

<210> 38093

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700944864H1

<400> 38093

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 gcaaaactac aacgagagcg atcccaagac ccacgagggg atggacttga caagagtga 120  
 ctactaaaga gttgatagca aaatacggcc ttgatgataa cactatagac ttcattggtc 180  
 atgctttggc gttcatagc gatgatcgct acttggtga gccagcactg gacaccgtga 240  
 agagaatgaa gttatatgca gagtctcttg cacgctttca agg 283

<210> 38094

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700944865H1

<400> 38094

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 gtggcactgg ttgtggttga agtggggccc atggctgagg ctgcggtgac ttgcaaccca 180  
 acacagttga ctccttgctt tccggcaatt aattcaggtt ctgcaccttc gagtgcctgt 240  
 tgccagaagc tgaaggagca aaagccatgc ttct 274

<210> 38095  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944866H1

<400> 38095

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 ccgtcacctc caacgacgac gtagtcaacg aattccgaaa agcccttgag aggggcaagt 180  
 cccgaggcaa cagaattcgc ttagcgggta tcgaccacgt gacttccatg cccagcgtgg 240  
 tcatccccgt taaggacttg gtta 264

<210> 38096  
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 <213> Glycine max

<223> Clone ID: 700944867H1

<400> 38096

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 ccgacagaga gcttcgtggc aaacttcacg cttatgatca gcatcttaat atgattcttg 180  
 gtgatgttga agaaattgtt actacagtgg aaatcgatga tgagacatac gaagaaattg 240  
 tgaggactac aaagcggaca g 261

<210> 38097  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944869H1

<400> 38097

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aaaagcacca agtacttctt gcaggataat tggcagagaa cttgggtatt gctactgtgg 180  
 attggcgtga tgtaggtct atttgcctac aaatttgtgc agtatagaag acaacctgca 240  
 tatgaggtga tgggccattg t 261

<210> 38098  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944870H1  
 <400> 38098

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 acagtcttca agtcttaatg gtagcaaatc ttctctgggt tcttcggtgg aagatgatga 180  
 atgggaaaca gtggggccga agaataaatc tgctgttaca aggactcaaa gctttctccc 240  
 atcagaatta agtggtat tt 262

<210> 38099  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944871H1  
 <400> 38099

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 gccattattg gcccttcttg aaacttggtc atcaattgag atgaaggact caacatcttg 120  
 acaccacccc atttctaat tgatttggat tagtcgtgtt ggacctggat gctgctgcta 180  
 atacagttga tccacaaatg aga 203

<210> 38100  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944872H1  
 <400> 38100

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 ccttggtgctg ctgattcttc tgatccagta caacaacgtt gtcaacgcct acaacaacaa 120  
 aaactgtgtc acagaggatt gcctcatcgg caacaaggat ttggaatcag agttctactt 180  
 tggatcccat gtggccagaa tgctctacga tgtgagccaa tctgtgagt gcaaaacagg 240  
 caataaaaaat aacaaagctg ttaa 264

<210> 38101  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944873H1

<400> 38101

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 ggcaccgtgg cccaattcaa ctattgagtg gtgctcttgc tgtgttggaa accatcgatc 180  
 agagtgttgc aaggcagata atggaggctg gttgtgttac tgccaatagg actaatggcc 240  
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<210> 38102  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944874H1

<400> 38102

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 gaaagggtgac agtgaggcca agttttctcaa agctggtggt accttagcaa ggaccctct 120  
 tgagaaatcc caccttgatg gtcaaccttt caatccctca actcctgtaa aatgttgcga 180  
 ggaagggggg gagagaactg attccttgga gcaaacacca agcagctgta tctccaatgc 240  
 gcaaagtact caatgtgac 259

<210> 38103  
 <211> 235

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944877H1

<400> 38103

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 ggtcggaaat gcttgctggg agctctactg cctcgagcac ggcacgggc ccgatgggca 180  
 aatgccaagt gacaagacag ttggcgggtg tgatgatgct ttcaatactt tcttc 235

<210> 38104  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944878H1

<400> 38104

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 gccctcacc cactcccaag atcgcgtctt caacttcgcc gccgggtccg ccaccctccc 180  
 ggaaaacgtc ctctccgtg cccaatccga gctctacaac tggcgcggtat 230

<210> 38105  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944879H1

<400> 38105

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 aatgagatat tgtcttcctt tgatgtccga ctccaggcagt atgccaccaa tcaattgaca 120  
 aagtcaggag ttcgacttgt cncctggcatt gtgaaagatg ttgaagagaa gaagattatc 180  
 ctaaagatg gtactgaggt tccgtatggg ttgctgggtat ggtctactgg agttgggtcca 240  
 tctgctatta ttcaatctt 259

<210> 38106  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700944882H1

<400> 38106

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 caaatctgat gtaacagtan acttttagtg caattcatat cacttgccctg catgggtctgt 180  
 gagcatctta ccagactgca agaatgtagt gcttaatact gcaaagatta attctgcac 240  
 tgcaatttca agc 253

<210> 38107  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944883H1

<400> 38107

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 gactccacct tcggtgtagc ccacgacgcc ttcaacacct tcttcagcga aaccggatct 180  
 ggcaagcacg tccccgtgc tgtcttcgtc gacctcgaac ccaccgtcat cgacgaggtc 240  
 cgctgcggca cctaccgtca 260

<210> 38108  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944884H1

<400> 38108

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gataatgaga tggcaagcga tcttgctagc agtgggtgtgt gtgggtgattg taaatttttg 180  
 ttacttgaag actttgggaa tcatacagtt acccaaagct cacgaaggag gcttagagga 240  
 agattcaggc acaatagt 258

<210> 38109  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944885H1

<400> 38109

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 ggggtgtcgat tcctaaagat tatgagtctg gtgctgtcaa ggggtttgct tacgtagact 180  
 tcagtgcagt tgatagcatg ggcaaagctc tagaactcca tgaaactgaa cttggagggt 240  
 ataccttaac agtggatga 259

<210> 38110  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944886H1

<400> 38110

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 aggtcaccaa tcaacatccc tctttctctc tctgttactg aatcgaattt aaacttcaca 180  
 gggagggttc aagtttctcg actttgatgc acacgcttgc ttctccagaa actcacaggt 240  
 gggtgtttcc ccttaatga 259

<210> 38111  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944856H1

<400> 38111

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agaagatggg gcaggaccag aaccagagat cgctgatcta tgcgttcgtg tctcgcggca 180  
cagtgattct cgccgagtac accgaattca gcggcaactt taacacaatc gcgttccagt 240  
gcctccagaa gtcacctgcc tccaacaa 268

<210> 38112

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944887H1

<400> 38112

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cctatggaga aacttcatac ggagctcttg gagcaatata gcagtggttg gcaccacaac 120  
agagtgagga ggtatcttag atcagaagat tggtccttgt cctgaatcca aagggaagcc 180  
ttggtatggc ttgcttatgc tgttaaggaa gtacgctgag cattttttgca tcaacacaag 240  
gtccaagggc cgtgtcaccc tccagtt 267

<210> 38113

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700944827H1

<400> 38113

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ttggacaaca agaacacaat tgaggaatat atctgtagaa aatgtggaaa aagatataat 120  
gctctggatg cattgcgatt agtatctttt gaagatgatg acttccattg tgaaagttgt 180  
aatggaaaac ttgaggtaga aagtgacaaa tttgttgctc aagaaggggg tgatggagat 240  
gaaaatgcaa gaagatggcg gcatg 265

<210> 38114  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944828H1

<400> 38114

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 tcccgaagga gatggtacta gagggaacaa ttcttctgat ggcaacaaat cagaaaacaa 180  
 ctctgagaaa tgccaccata ctaatctgga ttggcgcgag ttcagggaag agctatatag 240  
 agatgagctg aaagaattat ca 262

<210> 38115  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944829H1

<400> 38115

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 ccgtgggatg ggcggtgtag ggcgtacacg caagtacctg gtgccaatgc tgctgtgaga 180  
 ccattgcctg cactcaagga gaacgtcaag agagttatgt tttattgtta agacatgaat 240  
 gccaaagatt actgttaaaa ccttgttt 268

<210> 38116  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944830H1

<400> 38116

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 ccctttttct ctctgccaaa gggttatggat ggactcttta accttgcaaa atcacttttt 180

ggcattgaaa ttgagccagc tgatggtcta gc

212

<210> 38117  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944833H1

<400> 38117

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caacttagtg gccaaacccc agtgttttcc aaagcaaggc aactgttcg ttcctttggg 180  
attagaagaa atgagaagat tgcattgctat gtcactgtca gaggtgacaa ggcaatgcaa 240  
cttttggaga gtggtttgaa ggtg 264

<210> 38118  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944834H1

<400> 38118

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accttcgtcc aagccgaccc ttccaacttc cgcgcgctcg ttcagaaact caccggcgcc 180  
tccgacgacc cctccgcccc taaactcccc ctcaactctc cctcgcgcct cgcggcggcg 240  
cagtcaccac accgccccgc cgtcggcgcc 269

<210> 38119  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944835H1

<400> 38119

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atctgcacaa tggattgtct tggggcaaag gagcttgcaa aagattttgt tgtttctggg 120  
 actgcatctg agtctctgta tgggtgcttg gaggcgatgt ttaagcctga catggaacca 180  
 gaggaattgt ttgagaccat ctcccaagca ctgctatcat ctgtagatcg tgattgtttg 240  
 agtggctggg gaggacatgt ctatgtt 267

<210> 38120  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944837H1  
 <400> 38120

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 aagatgaggc tggatcatat ttcattcagc ctgtttgctg gaagagtgat cgtcccaacta 120  
 ttctaacagc aaatagtcaa ggcaccatca aagtgtgtgt gcttgcagct tgaacacgag 180  
 aaaaaaatg aaatagaatg tggaattggt attatctttt cccatattgt atgattgatt 240  
 gtatcattta ttaaattgta catagt 266

<210> 38121  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944838H1  
 <400> 38121

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 cgtggtgctg cttttgccgc agctcaagtt tctagatctg agattcaacg aattcgaagg 120  
 cacggttccg aaggagctct tcgacaagga cctggacgcg attttcatca atgacaaccg 180  
 cttcgtcttc gacttgccgg aaaatttcgg aaactcgccg gtgtcgggtga tcgtgctggc 240  
 gaacaaccgc ttccacggat 260

<210> 38122  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944839H1

<400> 38122

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agaagggact caacaattac gtcaaacagc tccagcaaca ccctttgaga accaaggtaa 120  
tactgcagg ggtactatca gcgatcagcg atgttgtgtc tcagaaactt actgggatac 180  
agaaacttca actcaaacgt cttcttttca aagtgatttt cggagctgct tatcttggac 240  
cctttggaca cttttttcat ttaatact 268

<210> 38123

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944840H1

<400> 38123

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tatagatgtt gctgggcttt attttgcctt gaccagttg actcacagga acatctctca 120  
gaatcataaa tttcaagctg ttggacttgg ctgggcgttt gctgattctg tactgcatcg 180  
attggctcct ctttgggttg gtgccagagg attagaattt acttgggatt acattcttca 240  
gggccttgaa gctaatacaa atttgggt 267

<210> 38124

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700944841H1

<400> 38124

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ccgctgcccc cgcagccgat gtctgcccac ccgaccaaga tttggagtct ctgcatccg 180  
aaaatcgacg tctcaggaac ttactcgacc agaacttgaa attgctgcaa aacctctctg 240  
aggcgacttg cttcgataat tgccctc 266

<210> 38125  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944842H1  
  
 <400> 38125  
  
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 tcgttccttt gggattagaa gaaatgagaa gattgcatgc tatgtcactg tcagaggtga 180  
 caaggcaatg caacttttgg agagtgggtt gaaggtgaag gaatatgaac ttctcagaag 240  
 gaacttcagt gatactggt 259

<210> 38126  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944843H1  
  
 <400> 38126  
  
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 agaaaaagga acataagatg tctcagaacg ggaagctgat gccaaatcta gaccagcata 180  
 gcaccaagct tctcaatctc actgttcttc aacgaatcga cctttttgtc gaggaaatct 240  
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<210> 38127  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944844H1  
  
 <400> 38127  
  
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 ggggttttca gatcatagtg tgtgtgtgtg tgtgttaaac aatggctaag ttctttgctg 120

ctatgatctt ggcactcatt gccatttcca tgcttcaaac agtgggttatg gctgctaata 180  
 agcaaggagg ccacttgtat gacaacaaga gcaaatatgg aagtgggagt gtcaagagat 240  
 accaatgccc atcacaa 257

<210> 38128  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944845H1

<400> 38128

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 agcagactga gaggtcaaca caaggcctat tgaacaataa cacaaacaca gctgcattga 180  
 atatggatcc aacagtttca tcagtggatt caattgtatc agtctcat 228

<210> 38129  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944847H1

<400> 38129

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 catcgccgcc gccgcgcttt ttgagccgga agggttcggc accaccggga acaagacgat 120  
 gcagatgatg gagatcgccg ccttcttcgg acacgtcggc agcaagacct cttgtgggta 180  
 tggagtggcc actggaggac ctttggcctg gggctcttgt tacaatcatg aaatgagtc 240  
 tatgtagtca tactgtgatg acta 264

<210> 38130  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944848H1

<400> 38130





<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944852H1

<400> 38133

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<210> 38134  
 <211> 264  
 <212> DNA  
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<223> Clone ID: 700944853H1

<400> 38134

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 tccagtgtac aagcctatac caaagccagt tccagttcca gtgtataagc ctattccaaa 180  
 gccagtgtac aagcctattc cgaagccagt gtataagcct attccaaagc cagttccagt 240  
 gtataagcct attccaaagc cagt 264

<210> 38135  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944854H1

<400> 38135

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 cgcgatatgg cattcatgca gcgagatgct gcaattgctg aacgtaataa tgcaattttg 120  
 gaacgagata atgcaattgc aactcttcag tatcgcgaaa cctctttaag tagtggcagt 180  
 atgccatcat gccctccagg atgccaaatt tcacgtggtg tgaagcatat acatcatccc 240  
 cagcaacagg tacaccatat acctaa 266

<210> 38136  
 <211> 264

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944855H1  
  
 <400> 38136  
  
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 gtctcctaca acaactgtcc atagcaataa tgaggcacct aatagtagtt gtatggggat 120  
 acctcatgac aggtccctgg ggaagtggat accccaagat agaaaggatg agatgatttt 180  
 gaagctagtt ccaaggggtc gggagctgca aaatcagctt caagaatgga cagagtgggc 240  
 aaatcagaag gttatgcagg ctgc 264

<210> 38137  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944826H1  
  
 <400> 38137  
  
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 tgcattggtg cttgtggcac tggttgtggt tgaagtggg cccatggctg aggctgcggt 120  
 gacttgcaac ccaacacagt tgactcgttg tcttccggca attaattcag gttctgcacc 180  
 ttcgagtgtg tgttgccaga agctgaagga gcaaaagcca tgcttctgtg gctacctcaa 240  
 aaaccctagc ttgaagcagt atgt 264

<210> 38138  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944785H1  
  
 <400> 38138  
  
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 agctggagaa ggatgatata ctgtatggtt acactttgga tgaactagtc aaagtgacat 120  
 acaacaatgg gaatcctctg cctgaattca acaatgcagc tgaggtttgg aatcatgact 180  
 tcatctggga atccatgcaa ccaggagggg gtgatatgcc caaactaggt ctcccttcaac 240

253

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<400> 38140

<400> 38141

15264

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 ccaacagatg aacccttgac gaaaagtgac agaaacaaat tggaatcatc acttggaggc 240  
 actaaca 247

<210> 38142  
 <211> 247  
 <212> DNA  
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 <223> Clone ID: 700944789H1  
 <400> 38142

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 cattcaaaat tggatttoga gggacccgaa ttcgctgttt ccaccggaat cagggaggta 180  
 tcatctctat gtatcatatg cttgtccttg ggcttccagg tgccatgctt acttgaatat 240  
 caaagga 247

<210> 38143  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944790H1  
 <400> 38143

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 acattttctt tccttttetaa gcttttttctg attaccattc tggagattct gtcctaattg 120  
 ctcttgctct tccaaagttt cctccttttc cgggttttct cccaaaccca gtgttgggga 180  
 tgctctgaaa aacccaactt gctctgtttc tctgagcttt gcgaatgtga aattgg 236

<210> 38144  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944791H1  
 <400> 38144

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 gataacctcg ccgacaccga cgtcgtaatc gtcggagccg gctcggcggg gtcacactgt 180  
 gcgtacgaga tcagcaagaa ccccgccgtg agcgtcgcca tagtcgcgca gtccgtgagc 240  
 aacagcggcg gc 252

<210> 38145  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944792H1

<400> 38145

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 gaagcgatga agatgatgat gcagatagtt ggagtgattc ttgatctgac tatggaatga 180  
 aaagtaccgg aacgagtcac tcacccctgt aacgaatagg aaaactacgt gatagtcata 240  
 caaaagattc tt 252

<210> 38146  
 <211> 130  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944793H1

<400> 38146

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 gaaaggctat 130

<210> 38147  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944794H1

<400> 38147

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cctccgccag gtaccctcca cagagaggat accctccgca ggcgtatcca gcacaggggt 180  
accctccacc ctacgcgcct cctcagtagc ctcagcctcc g 221

<210> 38148

<211> 83

<212> DNA

<213> Glycine max

<223> Clone ID: 700944795H1

<400> 38148

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ttagattttc agctgctgga acc 83

<210> 38149

<211> 214

<212> DNA

<213> Glycine max

<223> Clone ID: 700944796H1

<400> 38149

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ccaattcaca atacaattcc tacaatttca actccataag atgatttggc cgtgtcctat 120  
aaaattattg tattagaacg ttatccatt ctatttccaa tatagctacg tttgttctaa 180  
aacatcaacg gggtttctgt agaaatccta tcgt 214

<210> 38150

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 700944802H1

<400> 38150

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agttccatga ttgctttgtc aacgggtgtg atggttctat gttgcttgat gatacaccaa 120  
 cgatgctggg ggagaaattg gccctctcaa atataaattc gctgagatcg tatgaagttg 180  
 tcgatcaagt gaaggaagcg ctcgagaagg actgccccgg agtgggtttcc tgtgctgaca 240  
 tcataattat ggcattctaga gatgctgtct ctctgacagg tgg 283

<210> 38151  
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 <213> Glycine max

<223> Clone ID: 700944806H1

<400> 38151  
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 gaaacaacga ctgaggtaac caagattgag gaaactaccc cagaacagcc agccaccgag 180  
 gttactgccc cagaaacagt caacgaagaa gcaaaaagagg aagcagcagt tgagactaat 240  
 gaggcaacag aagttacaga ggaaggggaag gct 273

<210> 38152  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944807H1

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 cgggccagaa aacacgcata tggctcggct ccttcggctc gcttgagatg gcggctcgcg 180  
 cttatgactc cgctgctttc ttctctcaaag gaacatctgc cactcttaat ttccccgacc 240  
 tcgtacactc cctgcctcga cctctctcat ctcc 275

<210> 38153  
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 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700944808H1

<400> 38153

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 caacagagtg aggaggtatc ttacatcaga agattggcct ggtcctgaat ccaaagggaa 180  
 gccttggtat ggcttgctta tgctgttaag gaagtaccct gagcattttg tcatcaacac 240  
 aaggtccaag ggccgtgtca ccctcgagtt t 271

<210> 38154

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700944809H1

<400> 38154

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 aaatgggcat ggccacaatc acaatgggag gaaaccacaa ttcttccatc actccacgcc 120  
 actacaacac ccacaagggtg ttctttttct gcaactacat tctcttgggt gcagcttcta 180  
 gctgcatctt cctcaccctc tctctgcgcc tcattccctc tctctgcggc ttcttcttca 240  
 tccttcttca ggtctttacg attgcggggc cggt 274

<210> 38155

<211> 269

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944810H1

<400> 38155

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 agaaaaaat gaatgactca aactccagca gtatcagcca cagaaccgaa cccattgccc 120  
 aaaacatcat caacctcatt agcaacctct gcttctccct ctctgtcttc tctgtcttaa 180  
 tcttcaacgt catagccata acctaccagn ncccagaccc atgggtccag tccaccccag 240

ccctaacc aa cctcttcacc caatcagaa

269

<210> 38156  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944812H1

<400> 38156

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aattattgaa attgaataag taaacaattt aattggattg gtcgaatggt atcaaaaaaa 120  
tgagagtacta actcccattt cttattttatt attgaattaa ccgatcaact tgcttttgta 180  
tcgaacattt ctttttgatt tcaaaaattt tccggaaaaa atttgaatct atttttatat 240  
gcgaatcaat cctactactt ctggt 265

<210> 38157  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944814H1

<400> 38157

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atggacacaa gagctactcc caagaacaac ttgtgtccat tcgtctttg 109

<210> 38158  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944815H1

<400> 38158

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ttggcagcaa gagacccttc agggattctc tccccatata cctacaatct aagaaacaca 120  
ggccctgatg atgtttacat taaagttcac tactgtggaa ttgcccattc tgatctccac 180  
cagattaaaa atgatcttgg catgtccaac tatcccatgg tcccaggaca tgaagtgggt 240

ggtgaggtac tggaggt

257

<210> 38159  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944817H1

<400> 38159

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tcaacgttgt tgaatcaagg aaacttgatg agaccactcc agtgccctgcc acaaacggta 180  
ctgaagaaaa gtgtggatca tgtggtggta ccacttatcc gtcgccaccg ccaccgttac 240  
taccaccacc gtcgccacca ccgccttca 269

<210> 38160  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944818H1

<400> 38160

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gctcagccta tatcgacaaa gccaacatcc aatgggtgca atgaagatca ttctccacaa 120  
ttaggcggac gtgtacaaga cactcagagg tcacagagct ggtgaggctg ccattgtata 180  
tgctacatgg agctgacgtt gaggcactaa tgccaaaact gcggcgatct gattactaca 240  
gactgcctcg gatacatgaa ctggcagcca aagaa 275

<210> 38161  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944784H1

<400> 38161

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gttcacaaaa accttttca tctattttca atagttctag ttccatctcc catattatag 120  
 taccctttta tcccaagtta cttaaattta aaacctttat tactgctcat acttggtttt 180  
 cgcttttgta agttttaaga aaaatggagg cacattctcc agttatagcc aagaagctat 240  
 ggaatgtgtt gagg 254

<210> 38162  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944822H1

<400> 38162

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 tgaatcggtg gctggctgaa ttgtatctaa ttgtgtgatt agagttgcaa atagtgtgac 180  
 tctaacaact aggaatttgg ggtaaactgc atgacagcaa cctgtaattt ccatttgata 240  
 atattaacca agtacagaac aagcatttga tttcttcgac aatc 284

<210> 38163  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944825H1

<400> 38163

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 attagaggct taagtggtaa gaaagatttc ttggatgaag atgatattca aaagttttcc 180  
 tacttaaggg cagtgataaa agagacactt agattgcact taccagcacc actacttata 240  
 ccaagagaaa caaataaaaa atgcatgtta g 271

<210> 38164  
 <211> 84  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944752H1

<400> 38164

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atcgaagccc tcaatttccg cata 84

<210> 38165

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944753H1

<400> 38165

gattttcaga atacactgca gaggactttg tcttccttgg agatgccag agctgttccc 60

cttacatgtg gaccttcaaa tacgtcagtt gatgaatcca ttttgattga gaaccaagaa 120

agggtgata tggtgccaat gatggaagat ttagtgtaa tcagttccac gggaagccaa 180

gacatatagt agatcctgct cgagacctct ctattcaagt tttagagaag tcttctcttg 240

tcacaagatt tgcc 254

<210> 38166

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944754H1

<400> 38166

aattgcctct agttctctca ctttaactat tttcacaac catagaaaaa taataatttt 60

ttttttcatt gtaacatgtc ttcctcagag ggtgtctttg aacagggaat tgagttctca 120

gaagccaaaa tgttcttctc atgtctctaa tggaagaaga acaagaagaa gagtactatg 180

gcgatgatag acttgtgagc atgattcaat cattggaggc agagatcact gacaqtgaaa 240

tgggtcaaat gt 252

<210> 38167

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944755H1

<400> 38167

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 attgttcttt ttgtcttaga tgtgtattta actcaaataa caagattttc tcaggatatt 120  
 ctcaaattga aagggaaatct ctgatttcag ttatttcttt cagacctcta agaacaggaa 180  
 gtcatatgct tggattctgc tttaactcca gaagaactag tgcattctgc gatagagtgc 240  
 ttacctacat ct 252

<210> 38168

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944756H1

<400> 38168

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 aaaatcttca aaaggaacct cgtatcatgg aacttaggaa tcaatgtaga ataattcgga 120  
 caaccgagta gctgctgcta aggagaaact aaatgagctt gagaagcaga aagaagacat 180  
 gatgaaattg aattccgcag catcccatct ccaaaggatt caagagtctg tgaataagac 240  
 cgacgaggaa tc 252

<210> 38169

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700944757H1

<400> 38169

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 ccctaaatca tctatctgtc taatagataa gatagggcaa aaacaaaaca aaacaaaata 180  
 aaaccctagc caaagaaaga ccttgttgag cagcagcagc agagagagag aggcatatgg 240  
 aaggagtacc gca 253

<210> 38170  
 <211> 162  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944758H1

<400> 38170

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 gctgtagata agtcttgcaa atattggatt taattttgat gt 162

<210> 38171  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944759H1

<400> 38171

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 tcttagccac ttttaattctc cacgacgagg aaatcccagt caccgctgag aagatcaacg 120  
 ctctgttgaa ggcttctaata gtctccgccg agtcttactg gccagcctc ttcgccaagc 180  
 tcgcccagaa taagaacatc gaagacctca ttttgaacgc cggcggtggt ggggccgccg 240  
 ttgcagttgc cgct 254

<210> 38172  
 <211> 101  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944761H1

<400> 38172

gtgggttcaa gtactgattt aattgtccaa agagttgagt atgttcaaga gtctgacaag 60  
 agaagtcacc taatggacct tcttcatgca cagagggcaa a 101

<210> 38173  
 <211> 222  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944762H1

<400> 38173

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gtattcccct tagtgcgatt caacctccac cttctcccta aagacccatc aaactttaca 120  
aaaaaaaaaa aaaggaggaa aaaaacaaaa acaaacacaa agggattgag gcaccagggt 180  
ttacccttct attccagtct attcagatcc cccaattgg ca 222

<210> 38174

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700944764H1

<400> 38174

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actatgagaa gattgtccgt gacacatgcc gagaaattgg attcatctct gatgatgttg 120  
gtcttgatgc tgaaaatgca aggtgttggc caacattgag cagcagagcc ctgatatcgc 180  
ccagggtgtg cacggtcact tcaccaagcg cccagaggag gttggtgctg gtgaccaggg 240  
tcacatgttt ggctatg 257

<210> 38175

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700944765H1

<400> 38175

caaccgggtg ctctcttctt cagcatgttg gttggctgtc tcatagtcgt gatgggggtt 60  
atatttgtca cccagcactt gaattccaca aaggggaagc ctcgcccctc atccggttca 120  
cggtaaaaag ccgaattgaa attatactcg cttactttg caggcactat tgaagaaaca 180  
gaaaacagtg agctctgcgc aaccagtgga gagtcaaaag tattcaaaat gcgtagaatt 240  
taaggaaatt ttgaggaggt 260



<210> 38176  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944766H1

<400> 38176

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 attgtcaaga ctcttcaaga aacttgggac aaagttgatg ataagtatgc agtgagttca 120  
 cttgccttgg tggggtgatt gcattgtggg gctcagttgg attgatctca gcaattgata 180  
 ggcttccttt gattcctggg attccttgaga ttgtaggcat tggatacact gggtaggtttg 240  
 tatacaagaa cata 254

<210> 38177  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944767H1

<400> 38177

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 actcttctgg agattctgct ggataagtta aaactgtgca aaggcatatc ctatgcagca 120  
 gttgctgcta tgcagacaaa aatggccgac gaaagttatc tgccttgctt gttgaacatg 180  
 tgcctcgttc atcgaaacag gttcctctcc tggttaagcat tggagaagaa gatatagcct 240  
 tgatgaaggc aa 252

<210> 38178  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944768H1

<400> 38178

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gtgagggaac cacactctct gacccctcca aggcacaact catccacaat tttgaggctt 180  
 tgggcgttaa tttggtccgc ggggatctgt acgatcatga gaagttgggtg aaagctatca 240  
 agcaagtaga tgtc 254

<210> 38179  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944769H1

<400> 38179

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 tcacatttcc acaagagaga agaatgctga tcaaggaacg ttcgtccgga atgtaccgtc 120  
 tttcttccac tttctggcca gaacagtagg agacttgcca atagagcttg cacttccaac 180  
 tgcatttgct atcataatct attggatggg agggctcaag cctcatccag ttaccttcct 240  
 cctttccctc ctt 253

<210> 38180  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944772H1

<400> 38180

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 gtattccttc aacacccatc agattaatgg caaaagctat cctcttgagc aacaaatggt 120  
 acggatatga gcaattctgg gtcacacgtt cttacccac aatacagaaa ttcagcccta 180  
 ggatcatgga tctcaagggtg aaggcagcaa cttccttgaa ttcaaatgcc aaaaagaagg 240  
 caaatttggt tg 252

<210> 38181  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944773H1

<400> 38181

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 gaaagaccta ccttttgaga attgtcaatg ctgcactcaa tgaggagcta ttcttcaaaa 120  
 ttgctggcca caagctcact gtggtagaag ttgatgccac atatgtaaag ccattcaaga 180  
 ttgaaacaat tgtgatagcc cctggccaad ccaccaatgt gcttctaaat gcaaaccaaa 240  
 aatctggcaa g 251

<210> 38182

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700944774H1

<400> 38182

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 taaattgaaa attcgtgaat gtttgtaatc tctttcactc tttgttttgc tcggttcttg 120  
 agattgccta agcttcatta cttcaagtca tccattttta aaaaaaaaaa aaaaaaaaaa 180  
 aaaaaaaaaa aaaaaaaaaa acaaaaaaaaaa aaaaaacaat caaaaaaaaaa gaaaggg 237

<210> 38183

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944776H1

<400> 38183

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 agtttgttga ctctcctaata gcaaggagag ttgctagcac ttgtggaact cccttcccaa 120  
 ggtgctaata ttaataaatt ggaagaggtt ttaatttctc tgcctgatta tgcattctga 180  
 tatctatcca agtgtttggc cagagactag agagtgaag aaaattatgt gttaattgtt 240  
 atcatatata ta 252

<210> 38184

<211> 250

<212> DNA

<213> Glycine max  
 <223> Clone ID: 700944777H1  
 <400> 38184  
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 ttggataaag cagctcaacg atcatctcga ggccatcgat cccgagatcg ccgacataat 120  
 cgaactcgaa aggcgcgtca atggaagggg ttcgaactta taccttcgga aaatttcacg 180  
 tcgctgtcgg tgatgcaagc agttggatcg gtgatgacga ataaatacag tgaaggatat 240  
 cctggtgcta 250

<210> 38185  
 <211> 98  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944778H1  
 <400> 38185  
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 ttttttttga acaggtgggt gtgagtgcaa tgtgccca 98

<210> 38186  
 <211> 122  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944779H1  
 <400> 38186  
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 ccgaacaaat cattcaattg caatcatcta tggcgtcttt cgacccgagc gtagattcta 120  
 gt 122

<210> 38187  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944780H1

<400> 38187

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aacacgaacg tagatgggaa gcagaagata atgttcgctc ttacctcaat caaagggtatt 120

gggaggcgat ttgctaacat ttgctgcaag aaggctgatg ttgacatgaa caaaagagct 180

ggtgaactga gtgtgctgag ttggatagtg tgattaactg tggttgcaa ccccggaat 240

tcaagattcc ggactgg 257

<210> 38188

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944781H1

<400> 38188

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ggccactaaa tcccaggaag cacctccaaa atttggaact cctgaacgac aaagactgat 120

tgatgagata cacgagtata tgctaagcaa gtcacccctt cttccacaac ttgccccctc 180

acaagcttct gaagaacaat ccaaaactga ggaggccaag gccaggtta atttggaata 240

tcccagggtt ttacccgtgg g 261

<210> 38189

<211> 136

<212> DNA

<213> Glycine max

<223> Clone ID: 700944782H1

<400> 38189

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atgcttgtag aaaattaata catgtacatg ttacttctct atgtccaaat aaacactgat 120

tttgcttggt gtgttc 136

<210> 38190

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700944751H1

<400> 38190

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 tctcaagcca actttgccac caataaatgc cacacgcttt gtggcaaact tcacagcaaa 180  
 attcagaagc ttggctagtgc ccaaattccc tgccacggta cctcaaaaag tggacagaaa 240  
 atttttcatc catgtggggc tagggactag tcct 274

<210> 38191

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944783H1

<400> 38191

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 aagcaaccct tgaaaaattc cagtgtaaaa aatctcacc ttctcaaacc aactttgcc 120  
 ccaataaatg cacaagcttt gtggcaaact tcacagcaaa attcagaagc ttggctagtgc 180  
 ccaaattccc tgccaaggta cctcaaaaag tggacagaaa atttttcatc actgtggggc 240  
 tagggactag tcctt 255

<210> 38192

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944718H1

<400> 38192

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 cggcgaacga caatatccgt attcagattt gctcaccgtg gacaatagtc atcatcgatc 180  
 cagattcaga tctgctcata acgcacaacg actatcgatc tagattgggtt cgtgcggttg 240  
 ttctgtgata ttggatcaga t 261

<210> 38193  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944720H1

<400> 38193

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 ttaaagaaga gctgaagcga gttgagaggg agaagtatcc ttggctcatt gtgctcatgc 120  
 acgtgccgct ctacaatagt aatggagctc actatatgga ggggtgaaagc atgcgatctg 180  
 tttttgagag ctggttcacg gagtacaaag ttgatgtgat ctttgctggc catgtccatg 240  
 cttatgaaag atcatatc 258

<210> 38194  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944721H1

<400> 38194

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 gcctctactg tgccaagctt gtgtgatgag aaaaaggaga acatgaattt gaaggctaca 120  
 gagttgaggg tgggtcttccc ggatcccaat cgcctgaaag ggagccggat cttttctctt 180  
 taagcccagc aaagcttgat gagaagccac tggtcccgctc tttagtagga agcaaagggg 240  
 acagtggctt cct 253

<210> 38195  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944724H1

<400> 38195

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cagcgcatc tcaagatggg tgaaggttgg acatgcatca taactaaaac tgaggggcct 180  
 gatgctggca aagttttcgt taaatgtggt gaaaattgca cctgtaccat tgagggcgaa 240  
 cagtgtccca aga 253

<210> 38196  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944725H1  
 <400> 38196

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 tggagttggt ctcaatggag gcttcaacaa ggaatttac tccaagcctg cctttgccaa 120  
 tctcaacaaa atattaatct caatatcaat cctaagggac acaagggcaa ggttgaagat 180  
 gagctttttc acccatccaa atcttccaag aaaaacaaca acctcaacaa aaaacatggg 240  
 gacaacaaca aca 253

<210> 38197  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700944726H1  
 <400> 38197

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 ccgtcgatta ccctagtttc aaactcgtca tcgtcgggtga cggtggtaca ggaaagacaa 120  
 cgttcgagna aaggcatctt accggtgaat ttgagaagaa atacgaaccg accattggag 180  
 tggaggttca ccattggat ttcttcacaa actgtggaaa gattcgcttc tactgtaggg 240  
 atactg 246

<210> 38198  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944727H1



<400> 38198

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 tgcaaagtga gctgccaaca ggaaaaccag cagcctcgt ttgggcagaa agtttctgac 120  
 ttgttcaaag gcatcaacat aatgaccaca gctccaatta tgccacccaa accaaagtgc 180  
 tttcccagtc agggtcaggg ttaggcccct tcaccaccag aactcaaaca caatgcggtt 240  
 gcccccaaac acatc 255

<210> 38199

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944728H1

<400> 38199

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 ttgaaccgtt cctgaggact ttgatgcaac agctgtaatc atagatcccg tgccatctgc 180  
 agtagtagac aatggcattc tgaaggaggt ggcgcatac aataaaggat aagttaatag 240  
 agatctagta ctgg 254

<210> 38200

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944729H1

<400> 38200

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 actctacccc ttccacgacg ccgtcgtttc gggcctcctc tccacctcca tccgcgcccc 120  
 actcgattgc ccctcaacta cgcgcgcgct acttggccaa cctcatcccg ccctgcgtgc 180  
 agcgcgtggt gtacctcgac tccgacctcg tcctcgctga cgacatcgtc aagctcgcca 240  
 catcctcggt gg 252

<210> 38201  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944730H1

<400> 38201

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 attctcggat gagaacaaga ttggccaagg tggatttggt gtggtttata agggatcct 180  
 ccctaacaga caggagatag ctgtgaagag gttgtcagta acctccttgc aggggtgcagt 240  
 aga 243

<210> 38202  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944731H1

<400> 38202

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 ttatgattag ttgagaatcc aaaggaatcg aatcgaatca tctcgacgag aagcaaaaca 120  
 ccggctatag ttagtacaga gagcgaggag gcgtcggatc caaatcggag gtaacttccg 180  
 ttgatcggaa gcgaatcaat gacgtcctcg ataaacagct cgaacgatcc tcgccgtcac 240  
 at 242

<210> 38203  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944732H1

<400> 38203

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 caaagcatct gggtaatgcc tcagggttgg cagttatcac agtgatgctg gtgaccactt 120  
 gtttgatgtc actggtattg tactttgctg gcaccagaat gttctccttg cacttggggtt 180

[illegible]

<223> Clone ID: 700944734H1

<400> 38204

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catggagatg gagcgcatcg ttgaattccc tcacacatac atggagacga ccccgagaa 120
agagagcgcg tttgggctgg gacatcgctg aggtcccaa ggctcaggta ggattgtttt 180
gtggacaaga ggttgagaat atttcaagct ttgctccttc agaacatccc cctagttctc 240
tgtttaaggg agttgctcga a 261
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<223> Clone ID: 700944735H1

<400> 38205

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aagatacagt	cgctactctt	cgttattcat	tttgcgatag	agggtactga	agtcattgtca	180
tagatgtctg	tgtgtgtgat	cgtattcagt	tgatgacagc	agggtgtgtc	tcagttaagc	240
ttgggaattt	gatcgactct	gc				262

<223> Clone ID: 700944736H1

<400> 38206

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 tccgccgcaa caccaagaac ccggggaaga agaagaggac taacagggtcc gcgaaattga 180  
 agcagtacaa aatcgatgcg cgccggagca atggttatct caagggtcgg tgaagagcaa 240  
 ggggtgcaag gacgga 256

<210> 38207  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944738H1

<400> 38207  
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 acgggtgcaga aggctcatca agcaacattc ccatagata tcagcagcag caacagcaga 120  
 gtccagtga cttagccgct atgagtcaca gaagagaagg gactggaaca cttttgggca 180  
 atacttgaag aaccagagac cccagttcc tctctctcag tgtaattgca accaggtgct 240  
 tgatttcctc cgta 255

<210> 38208  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944739H1

<400> 38208  
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 tgtgttcagc agtccatag tgtcgccgcc ggaggagctc gttgccgccg gcagccgtac 120  
 accgtcgcca agatgacggc ggcggcgctg cggaagtggg tcgaggagaa gaaccctcc 180  
 gcagtgtcgg tggaggtcgg agagcatgtc cagctcgctt ataccacca gaacgagtcg 240  
 ccgtttcagc 250

<210> 38209  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944742H1

<400> 38209

aattaacaca attccaactc atccaggatg atgcccaga gaagagatcg gagtacaatg 60  
gaagtctagt accggcagaa tttttggaaa cagagtacta ccaagatctc aacagcgtgg 120  
acaaacacac cagacgactg gaacaggatc tatcaaagta gagaaaaatg gaaatgactt 180  
tcacatagaa ccagataatg aactgggtg ccatcactct tgcaaggga atccagcaac 240  
caatgattgg g 251

<210> 38210

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944744H1

<400> 38210

acgacatttc ataaaatggg gagagaaaaa gttattctga tagactcaat actgcctttt 60  
ggtttcgagc tgttgatgtg tgatactgac atggaaatta gaaaccccca gatctctcaa 120  
ttgtttaacc acgtcagaat aaaatccatg aatgcatagt taccaaaggt cactattaca 180  
gcattatcct tcaccctttg ctgaaccagt ttcttggtca gcctgatatc ctccaaaggt 240  
ggcatctttt t 251

<210> 38211

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944745H1

<400> 38211

atttaaacc ttttcgatcc accattctca cttgttgag ctttgcctag ctagctttgc 60  
ttcccactcc tcaactagta actctttttt attatttttc tgacaccaag cttgatcaaa 120  
acgtacggtt caatggatcg cttttcttcc agtaccattc tccccttagc gtttcaaggt 180  
gccaaagatg acttcacat gcagcttgca ctggtgtgga accaaatcaa agcgccactg 240  
attgtgccgt tgct 254

<210> 38212  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944746H1

<400> 38212

gcggaacatg tcatgtttgg ctccttggac aacctcttcc aaagcaccaa cataatacca 60  
 aaggatattg gtatccttat tgtgaattgc agcttggtta accctacccc ctcaactgtct 120  
 tccatgattg ttaacaagta caaattaagg ggtaacatta ggagctttaa tttgggaggg 180  
 atgggggtgca gtgctggagt cattgctgtt gatcttgcta agggactttt gcaggtccat 240  
 aggaacacat atgct 255

<210> 38213  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944748H1

<400> 38213

aagagaaggg ttttaagtta agaagcaaaa gatagaggtg ggtgtatgtt tgagaagtaa 60  
 gaagcatggc tcagtatggt tacgcatacc gaagcgctca aatatccacc tacaacacta 120  
 gcactgtgag aacattgaaa ctggtgcaaa gccatttgct ccctacgtcc ccaaatttag 180  
 taacggtaat ggttactcag acgggatcgt taccatgaaa aaaataattc cagttgctag 240  
 c 241

<210> 38214  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944749H1

<400> 38214

gcgattgact tcattgctag gagatctcgt cttgctttcc tggacacgga tgcagcagga 60  
 cgggcattac ctctgtgat tcaaattatt gcagctgagc acaaatggga caagtcaagg 120

cagaaggaag agagttttaa gctaaagaat ttttgagac ttttaaacc tccagaaatg 180  
 ctcaattcta tgatgggaag cacaattagc tctggatttg accaagaagg gagtgacctt 240  
 ccaaacatgg tattattgc 259

<210> 38215  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700944750H1

<400> 38215  
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 agttgcagag agaaaatgga ttgagaattc tctctctttt ctctttctct tcccaacttt 120  
 ccttccttgg gacattctgc ttctttgcta tggaagactc agattcagtt gctacgctga 180  
 tagattccac aacttctaag atctannagc tgcaaaaggc atttgctgaa cttgaaagtt 240  
 accgagctgt tac 253

<210> 38216  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944717H1

<400> 38216  
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 aggctttatg agcttgggca ggtacttaac ctaaacacag ctttactttt gtctgataat 120  
 tttttattta taatatattt ctattcatag tcaaaatagt tcgaatgaat ctctgttctt 180  
 gacctgaatg atccaaatcc ttccaggaaa atgcacataa cttcatagtc aaaattcact 240  
 gtgcttatta ttctcattca g 261

<210> 38217  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944685H1

<400> 38217

tccttatcta tcttcacctc catcttttaa cagttccct cgaaacttct gaagatgggt 60  
ggcattgcat tcggacgctt ggatgattct ttcagtttaa cctcaatcaa ggcctatatt 120  
gctgagttcc attcaacctt gctctttggt tttgccggtg ttggttcagc catagcctat 180  
ggtaagttga catcagatgc agcacttgac cctgctggga cactggcatt tgctatgtca 240  
cgggggtt 247

<210> 38218

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700944686H1

<400> 38218

gttttctatt atgagatctt gaactccct gaaagagcct gtcattctgc gaacaagctt 60  
ttgatgaagc tatttctgag cttgacacct tgaatgagga gtcatacaaa gatagcacct 120  
taatcatgca acttctcagg gacaacctaa ctttgtggac ttctgacatc ccagaagatg 180  
gagaagatgc ccagaaagtg aatggcactg ccaagcttgg tggaggtgag gatgcagagt 240  
gagtcc 246

<210> 38219

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944687H1

<400> 38219

attaacacta ataacagcaa actaaaggtg aagtttgcca gaaacaagat gggaaggaac 60  
cattttcagc agcaaacctg tgctgatggg agcatgtgga tggagagtca gggtcagcaa 120  
cagagctatg ccttccaaga agagtcttgg agccctgata acaactatgg ccacaaccac 180  
aagcaattcc caggcatgca catgaacatg aacaacaaca acaacaaca aaggcttgggt 240  
gcttttg 247



<210> 38220  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944689H1

<400> 38220

attcctctct ctctctctct gtctctgtcg ctgtgtgtca ttctgttttt tccccacttc 60  
 catccatctt cgtttttctt cttctctctt tcccttcgat ttccatttct cttttctttt 120  
 tttttctctt ttatttatca ctattattat tcattcttct ttctttgctt taagcttctt 180  
 tcgatttttt tctctcccgt ttctgctgtg tcccccttta gatccctctc tggatcacag 240  
 tgag 244

<210> 38221  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944690H1

<400> 38221

tgtaagagta ggaaatcgac aaaccctacg ctgaaagaag aaaaaatgtc cggcgtaaag 60  
 agagcactga ggcagttcac cttcggaacc ggcaagaccg ccggtcgcaa ctcggcgggg 120  
 cgcataactt ccttccaccg cggcggcgga gccaaagcgt tgcaacgaac cgtcgatcac 180  
 aaacggaata ctgcttcttc tctcggcgtc gtcgaaagga tcgagtacga ccctaaccgc 240  
 tcttc 245

<210> 38222  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944692H1

<400> 38222

ggaaaatctt gggagagttg attaagcagc tagatatggc aagatttggt ctttcccttt 60  
 gggcagctat ataagcgttt gtttgctacc gtgattaaag ggaattcaag caacaacctt 120

tcttatacag attccatcag cacagaactt tgtcgatggtt acgaataact gctcactgaa 180  
 gatcttgaag cactactata atcactcagg ttaattgcaa gggaaacaaa atggaacgcc 240  
 aactg 245

<210> 38223  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944693H1

<400> 38223

aaattcccaa tccctttccc agtttccacc aaaacctaaa cctcaaccta aacctaaacc 60  
 taaacataaa ctgaatttgc caaatcccct tcccaatttt caccaaaacc taatactccc 120  
 aaaccaatct tcgatcatgg cgcgcgaatc acaacctcaa ctaatcgaag agagaagaga 180  
 ggagcaagaa cttaagtacc tggaatttgt gcaattcgcg accatccagg ccctgatgcg 240  
 ctgcg 246

<210> 38224  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944694H1

<400> 38224

atcgaaccgg tcgtcacaga aaaacttgtc accatgggtt cttccgacaa ggatccacga 60  
 gaggatgtcc ttcaagcctg gtacatggat gatagtgatg aagatcaaag actccccac 120  
 caciaaagaac ccaaggagtt tgtctcggtg gaccaacttg ctgaacttgg agtccttagc 180  
 tggaaactag atgctgataa ccatgaaaat gatccagagc tgaagaagat tcgtgaagag 240  
 cg 242

<210> 38225  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944695H1

<400> 38225

attcgagagt gctgaaatgg gtgttcccg c tgagaacgat ggctgcaa at gtggagctaa 60  
 ctgcacctgc aacctctgca cttgcaagt aggtgttgga gagctaaagc ttcaagcaga 120  
 aatggccctt agaaataatg ataaaaacta tatgtagttt caaaacttca aaattatgta 180  
 gtatgtatta tgttgcactc tgggtgtttt tgtctaaaca aacaccctta gaataaagt 240  
 gt 242

<210> 38226

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944696H1

<400> 38226

tgacagtatc agagacgagg ttcggcttct gcaatcaatc tacgagggat tgcaggaaga 60  
 tccaagggaa gtgaagggat acagaaaaga ggacttcagg attctgtggg tcccagttgt 120  
 ggatgagtgg aatcttctgc acaaggccga gtatgataac ctgaagcttg aaatgccgtg 180  
 gtatgtggcg gaatacttct accccttggc cggaataagg ctcataaggg aggacttgaa 240  
 ttaca 245

<210> 38227

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944701H1

<400> 38227

gcagcagagg agaatgtaag aagtataaga gcatatgtga cagaattgaa agaacgtgta 60  
 gccaaactgc agtaccaaaa gcagttactt gtttgccagg tgcttgaact tgaagcaaac 120  
 gaagcaaatg gccacacata gacaatgaag agtactcatg tgaaccggag gagccccaga 180  
 tttcgtggca aatagcattt aaagagcagc ggagcagat tcttgaatta tgggatctat 240  
 gttat 245

<210> 38228



catttctcac gactcatcta ccgagactga gagtactttg atattgattc gtcattgggga 240  
gtctttgtgg aatgagaag 259

<210> 38231  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944705H1

<400> 38231

catattcaaa tggaaacaat tccagtgaat tatagtagaa tgcaccctat tttatttttg 60  
aatattctaa gatacaatgt agcattgccg ccacaaagga tactaccatg taggcttaaa 120  
ttataagaga tacagatact ttatctcagt tgatgctcaa cattctcttg ggatttcattg 180  
attcggttaa ctcatgttct attgtttggg aagtaattgt ctatatgtgc atattgtgat 240  
agattatcca tgtgg 255

<210> 38232  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944707H1

<400> 38232

gtcgaagatc ccgagaaaca gatattggaa ccggcgataa aaggaacggt taatgtgttg 60  
aaggcggcga aggaagcagg ggtggagcgc gtgggtggcga cttcatcgat ttcgtcgatt 120  
atgccaaagtc taattggcca gctgataaga ttaagggaga agagtgttgg acggaccttg 180  
aatactgcaa gcaaaagggg ttgtattatc ccattgcaaa gactctagca gagaaagcgg 240  
gttgggactt tgc 253

<210> 38233  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944708H1

<400> 38233

caaaatcagc ctctaataatt tttctcactg tctctccaga gaacttgata gagagatggc 60  
agctgcaaca tctgggtgctg tgttaaattgg gttgggatct tctttcttga gtggaggaaa 120  
caggagccaa cctttctggc ctctgctatt ggaggcaaag ttgggtgctgc tgttactgtt 180  
aatcccagaa gactcattgt ggtagctgct gctgcaccaa agaagtcatt gctccctggg 240  
gtagaggtg gtgg 254

<210> 38234  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944709H1

<400> 38234

ataaaattta aaatttgtaa gaaacggaaa agaattgatt tgaattgaaa tggtcaggac 60  
caggaattaa ctttaaacaa tatgaaataa aaaaaagtta tttttttaa aaattcactc 120  
ccctcctttt tttaatcctt ttaaaaattt gtgtgattat tatgctaagt aggaagtgtg 180  
aaaagcaaag ccaaaaaagc tgtttctttc aaatgtttca tcttctcttc ttctccatac 240  
attgt 245

<210> 38235  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944710H1

<400> 38235

ctgaggtcta attttctggg caccaagttc acaatcttgg atggcgagcc cgcgcataaa 60  
acttcacttc cactgaattg caagttgcag caaagagtcc atctgaagca ggtacttcct 120  
aacaaggttg ctgctgctgc taactacaaa gtggccacag tatcttatga actcaatgtc 180  
ctccgaacaa gaggtccaag gcgaatgcgg tgtatgatgc acttaatccc catatttgca 240  
atccaagaag gagg 254

<210> 38236  
<211> 227  
<212> DNA

<213> Glycine max

<223> Clone ID: 700944711H1

<400> 38236

caaagctata acaaggttgg ggtgtcctac acctgttctt gcagtcttca tcggagggaa 60  
gctgggtggg tccaccaatg aagtcattgt cctccacctt agtgggtcac tcaactcaact 120  
gctgaaacca atcgagcttt gtcttaaaga aggggtgcaca tgcaaattaa attaaaacat 180  
gttcctgcta ccttaattgg aagaataaac atgcagtata gtagtgt 227

<210> 38237

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944712H1

<400> 38237

gcgtgggttg gtttccgctt agaattgctt ggaagcttag ttttttgctt ttctgcaatg 60  
ttcatgatca tgttaccag cagtatcata aagccagaaa atgttggttt gtctctctca 120  
tatggcttgt cattaaatgc cgtgatgttc tgggctatat acatgagctg ttccattgaa 180  
aacaaaatgg tatctgttga gaggatcaaa cagttcacia atattccatc ggaagcttca 240  
tggaacatta ag 252

<210> 38238

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944713H1

<400> 38238

atgattttca gggttaaagt ttcaatgttc ctttgcaacc atctgaaatt gtgggtgtaa 60  
agaaggttgt acaagaaaaa ttgtctgaag ggggtgaatga acgtggactt actttgactg 120  
gattcctatt tcttcatgcc ctcttcatag aaaaaggcgc tcttgagaca acatggactg 180  
tgctcaggaa gtttgatgat aatgatgata tcaagcttgc tgatgatcta attccaccta 240  
taaagtg 247

<210> 38239  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944714H1

<400> 38239

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 ttcccttttat taattggagt ttactcgctc cttttccttt ccctgaaaac atttcctcgt 120  
 cgtattgatg tcgaaaaggg ccggccactt ccaaaatttg gtgaatggga tgtcaatgat 180  
 ccaacctcag ctgaggggtt cacagtgatt ttttaataagg ccagggatga gaaaaagaca 240  
 ggtggta 247

<210> 38240  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944683H1

<400> 38240

ctcatcgta tcgtactact actaccacag ttctgctcct ttgcggatcg tgccttgaa 60  
 caatgctaac tgatgttttt ttgcactcat cattatcaac cttttcaatg actctgca 120  
 tggttgttgt tttttatcgg ggtgacggtt ttcttgtaga ttatttggtt attaaatcga 180  
 ctcccttggt cgcccataca aaagatggca gacaatgagg atggaaggga taagactact 240  
 cgtgggaa 248

<210> 38241  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944715H1

<400> 38241

cggctcgagc cgcccaaata aataccacaa tgggttttca ttgccttgt atcagaaagg 60  
 cattgtttgc agtgaatcaa gcattctcaa aagccattca tgtgcaaag ggctatcttg 120



cagtatatgt cgggagaaca tgaagaggtt tgtgatccct gtgtcatact tgaaccaacc 180  
 ttccttccaa gacttggtga gtcaagctga ggaagaattt gggatgatc atcccatggg 240  
 tggccttgca attcctta 258

<210> 38242  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944716H1

<400> 38242

gctgaaggaa gttatacgag aatgtgacac tctgtgcctt gtttttgagt acatggaata 60  
 caacctgtac caacttatga aaaacaggga aaagctgttt tctgaaaatg aagttagaaa 120  
 ttggtgtttt caagtttcca aggttttagct tacatgcacc agcgtggata ctttcacgt 180  
 gatcttaagc ctgaaaactt gctggtcacc aaagatgtca tcaagattgc tcgatttggc 240  
 ctagccagag agatcagt 258

<210> 38243  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944654H1

<400> 38243

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 agtgtttgat gcgaaggtat tgagcaagat acccagagga cctctgaaag ataaaaagaa 120  
 agattgaagt gggcactaga ttctgacaaa tatgtttag tggggtttca ggaaccctat 180  
 gatgtcatat tttatttttt tagggtcctt ttactagaga cactgtggaa gaaaagtatc 240  
 ttatatattt t 251

<210> 38244  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944655H1

<400> 38244

cggtctcgagc tcgagccgaa tcggctcgag gcttagggga tggaaattag aagacataaa 60  
 tccagtacta ttgcgatact ttgcctttgg ttctagggct gtattgaatc ctatggctgc 120  
 cgtgttttggg ggaatagttg gacaagaggt tgtcaaagca tgctccggga agtttcatcc 180  
 actttttcag ttcttctact tcgactctgt ggtatcactg ctttcagaac cattggaccc 240  
 aaatgatttc 250

<210> 38245

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944656H1

<400> 38245

tcattgggta ctgcaggcag cattgatacc ataaagcctc tcctcgtggc cctgtctttc 60  
 catcaatttt ttgagggatg ggggcttggg ggttgcatat ctcaggcaaa gtttgagtcc 120  
 aagtctatgg caattatggc aacctttttc tctactgacaa cccaattgg gatagcaatt 180  
 ggaatggggg tgtcaagtgt gttcaaagag aatagcccta ctgctttaac tgttgaaggg 240  
 attttcaat 249

<210> 38246

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944657H1

<400> 38246

ctatatctgg agattcatac tatggctctc acgtgatgca gtatgggtgat gtagggctta 60  
 gcagagatgt tctcttccat tatttgggta cagatcctgc taatgataat ttcacttttg 120  
 tggatgaaaa ctcttatgg tcaccttcaa aaccagtcaa ccaacgtgat gctgatctca 180  
 tccatttttg ggataagttc cgcaaagctc ctgaggggtc tctcaggaaa aatacagctc 240  
 agaaaca 247

<210> 38247

<211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944658H1

<400> 38247

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 tgttgataac ttttttgctg ctttacttgg aaataagtca gcactgactg gtggcagtgg 120  
 gaaggttgtg gacagtgggc ctgatgatca tatatttgta tactatactg accatggagg 180  
 tcctgggggtg ctcggggatgc ctgctgggtcc ttacttatac gcggatgac tgattgaagt 240  
 cttgaaga 248

<210> 38248  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944659H1

<400> 38248

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 tttgtctgtc cagaatctac gactgtcttg gaaaacagtc tattcatact aacactacaa 120  
 agaaacaaaa ggaagattct tttgtcaagt cttgggaagc ttattttgta gtttattgct 180  
 tattgcaagc tcttacgggc ctattgactt taagcaaatt gattttgttg ataggctata 240  
 tgttgta 247

<210> 38249  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944660H1

<400> 38249

ctcgaaaatc tcatcgagga atacgaccgt gtttcgtcgc tgaaaatcag agccttcctc 60  
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 gctccgtcga aatcggcgtc catctcctcc tcctccgctt cgtcatcgtc gtcgtcttca 180

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 gaccaaggga acagaaccac gccgtcttac gtcggattca ctgacaccga gcgtctcatc 240  
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<223> Clone ID: 700944679H1

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<212> DNA

<213> Glycine max

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250

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ttgagattta gatgcaaata aatatatacc ctgtcttggt cgtgtcccc ttttaagccaa 180

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aacattaatt gaa 253

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&lt;223&gt; Clone ID: 700944625H1

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gttcagtttg cttccacggg cagaattaga attggcaatc tctcccaaag gtccttcggg 180

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 taatgttcaa agttcttagt ccagaccgag cttatgctgc aattgatctt ccagttactt 180  
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<223> Clone ID: 700944638H1

<400> 38280

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 gacgaagggt aagggaaaag gggctcatcc atttactggt tggacatcgc ttgtagtatt 120  
 aatcatggca gaagcatatg gaaatattta ggataaacac agcttggtgg aggctattgt 180  
 aacaaacatt ccttgcttcc ttctcatttt ccgtccatga ataccaaggc agtaagtgtg 240  
 catgtaacgt tgt 253

<210> 38281  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944639H1

<400> 38281

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 gaggaagcaa cctatgacga ccaagagcct aaagacattc cccaacgctc tttttggtct 120  
 gaaagggtgga cgagggtggc gtgtaacttg catggcctcg tacaagggtga agctcataac 180  
 cccagaagga gaagtggagt ttgaatgcc agatgatggt ttcattgttg acaaggctga 240  
 ggaagaaggc att 253

<210> 38282  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944640H1

<400> 38282

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 ggagaatcat tgtcagaagc agcaaacaag tttctatagg aaaaggcaaa acaaaggcat 180

0053113.032300

tgaaagagag gttaaaaatg aaatggctga tgaccacttg gaggaccatt ttctgaagca 240  
gcagcaaaga t 251

<210> 38283  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944641H1

<400> 38283

acaatatcaa gacaacttca tctaattaac catgaatcac caacaacaat ctctgtgac 60  
tgcatatcca gcagtgagtc agagcaaccc agcagctcca ccaccacctg tgggttatcc 120  
caciaaggat gatgttcctt cccaacaaaa tgttccaatc aaaacctcta ctaggggtga 180  
tggcttttgg aagggatgtt gtgctggatt gtgctgttgc tgtgccctgg attgttgtct 240  
ctgattgaag tta 253

<210> 38284  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944642H1

<400> 38284

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agcaatgcta attcatttca cagtcttcta attatgcatt tatttcaatc ttgatccttc 120  
caggcatggg tcacacttgg cagagcacia cttaattttg gtgagcctga taatgctatt 180  
gaaagctttg accgtgctct agctctcaag cctgattatg aggaagctca agatgatagg 240  
aaaactgcat 250

<210> 38285  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944643H1

<400> 38285



ggaaggttct actttttctgg agttttctttg gcatggcaat agcaatgate cttcaagcca 60  
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 tcctgtttgt cttaacattt gctctcggag ctggcccagt tccaggtctc cttctaccag 180  
 aaatctttcc tagtcgaata agagccaaag ccatggcagt ctgtatgtca gtgcattggg 240  
 tgataaat 248

<210> 38286  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944644H1

<400> 38286

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 attgtgttgt ccttctcaga aatcaagagc ctcacagggg atttcaagaa tcaaattggg 120  
 ccaaagggtgt tcaaggggttt gctacccaac aatcatctga ttgcagttaa agacctgaat 180  
 gcgtccatag aggaaaggaa gtccgaagtg ctgttatgaa gatggggttg atccaccaca 240  
 agaaccttgt g 251

<210> 38287  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944645H1

<400> 38287

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 tgaaagactg ggtaggggta ttgagactga tggaattacc acccctgtgc tgaacacttc 120  
 tgcctacttt tttaagaaaa ccgctgatct cattgatttc aaggagaatc gtcaagtggag 180  
 ttatgaatac gggcgctatg gaaaccaaac gactgtgggt ctggaggaga agataagtat 240  
 attggagggg 250

<210> 38288  
 <211> 253  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944646H1

<400> 38288

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acagtgtgca gcagcagcag caacaacaag agaagaagat ggctctgcaa ctatgggaga 120  
cattgaagga ggccatagtt gcctacacgg ggctctcccc gccaccttc ttcacccttc 180  
tggccctgat cctagcccta tactacgtcg tttctgggct cttccctct tccgaccacc 240  
gccacaacac cgc 253

<210> 38289

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944647H1

<400> 38289

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cagaaccctt gcaagatctt gatcgaattt tgtcaaagggt aaccactgga tttggaggaa 120  
gtttgggtgt ttggaaagggt acagcgatgg gaaattgccca tctcggaat tggccttgac 180  
atcgctgagc atgctcccat tgatcttgat tattatagta caattgaaga attgatggaa 240  
gtcggccctg a 251

<210> 38290

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944648H1

<400> 38290

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accattgata atgttaaggc caagatccag gacaaagagg gcatcccccc agatcagcag 120  
aggctgattt ttgccggtaa acaacttgag gatggaagaa cccttgctga ttacaacatt 180  
cagaaggaat ccacccttca cttggtgctt cgtttgagag gtggtatgca gattttcggt 240

aaaactttga

250

&lt;210&gt; 38291

&lt;211&gt; 257

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700944649H1

&lt;400&gt; 38291

ccttcacaag attctcacia acaactcttg agaaagaaag aatggctgcc aacacattga 60

tgagttctgc catctcagcc ttcccatctc tcctttcttc ctcaaaatcc agatttgccg 120

cagcagttcc tctttccagc tttgttgta ccaatgcctc ttcttctcgc ttttccatga 180

gtgctgactg gattcctggc cagcctagac cccctacct tgatgggtca gcacctggtg 240

actttggatt cgaccct 257

&lt;210&gt; 38292

&lt;211&gt; 254

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700944650H1

&lt;400&gt; 38292

aaacaagtaa atcatgttgt tgatgattcg cttgatgcaa cagactttca ttacatcccg 60

ccattgaata tagtcatgct tattgttggt acacgaggag atgtgcaacc ctttattgca 120

ataggcaaac gcatgcagga ctatgggcat cgtgttagat tagcaacca ttcaaatttt 180

aaggagtttg ttttgacagc tgggttgagg ttttatccat taggcggtga tccaaaagtc 240

ttgctgggta tatg 254

&lt;210&gt; 38293

&lt;211&gt; 253

&lt;212&gt; DNA

&lt;213&gt; Glycine max

&lt;223&gt; Clone ID: 700944651H1

&lt;400&gt; 38293

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acgatttggg atcggaggat tttcaggaga tttcgtcgac ggtgaatttc gcggaagagt 120  
 tcgagccgcc ggaggagatt attccggcga acatcgaacg gaaagcgaac agcgtggagc 180  
 ttccgttttc gctgaggata atcaagaaga agctgcagtg gaaggaaggg ttcagggagg 240  
 caggggactc cgt 253

<210> 38294  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944622H1  
 <400> 38294

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 attgtttatg attgaatttt tcttcttagg agtttcctta agtaccacaa gcagacaaag 120  
 gacgtcgtaa ctgtagaaaa gtgaagtaga aattaatgca gaggaaaaaa aagaaagagc 180  
 cttactgtgc atagcttctg tgtgtctttg gggctgtggc taagtagtaa tttttacttt 240  
 catgggtgaa tttctt 256

<210> 38295  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944590H1  
 <400> 38295

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 cagctcaccg acgaccagat cgccgagttc aaggaggcct tcagcctctt cgacaaggac 120  
 ggcgatgggt gcattactac caaggaactt gggactgtta tgaggtcact tgggtcaaaac 180  
 ccaactgagg cagaactgca ggatatgata aacgaggttg atgctgatgg caacggaacc 240  
 atcgatttcc cag 253

<210> 38296  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944591H1

<400> 38296

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 acatgtctga tgaacgagca gtgcacacctg attgccggaa tgctagtaac ctttatcatg 120  
 aatgtagtga ttactgtttt agagtaatag ctgaagccaa aattaggtca caacaacagg 180  
 aatcagaagt tggacaagct agtgggtggaa acaactctaa gcgagcgatc ccagatgatt 240  
 cctatgtgga a 251

<210> 38297

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944592H1

<400> 38297

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 gaggaggcgt gaaccagagc tgatagctcc ggcgaaaccc acccctcgcg aagtgaagct 120  
 actatccgac atagatgacc aagatgggtt acggttccaa attccggtga tacagatcta 180  
 tcgccacgac ccatccatgg cagggaaaga ccctgttgag gttatcagaa aggctttggc 240  
 cagaacgctt gtgt 254

<210> 38298

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944593H1

<400> 38298

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 gtgttagcct tgtttattca tccatcaact tcacatcatt tattgaacag gatttcctgg 120  
 gcattctgtg tataatctga agctgtgtca gtactgcccc aactgcgagt catgcagaac 180  
 acccaaattg ttgagccatt cacagctcat tatgtatttg ccctgggtgt ggcaagattc 240  
 ttgagctgtg 250

<210> 38299  
 <211> 223  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944594H1

<400> 38299

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 cacttactag ttcatattac agaggagcac aaggaataat tatggtatat gatgtaacaa 120  
 ggcgggaaac ctttacaat ctatctgata tatgggctaa agaaattgac ttataactcaa 180  
 caaatcaaga ttgcatcaag atgcttgTTt gaaacaagtt gat 223

<210> 38300  
 <211> 212  
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 <213> Glycine max

<223> Clone ID: 700944595H1

<400> 38300

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 accttcatca tgatcaagcc tgatggcgtc caaagaggcc ttattggcga gatcattagc 120  
 agatttgaga agaaaggTTt ctacttgaaa ggTTtgaaac ttgttactgt ggaccgtcct 180  
 tttgctgaga agcactatgc tgattggtct gc 212

<210> 38301  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944596H1

<400> 38301

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 ctagagggag ccgagccaac aggattcatg tatccaagtg cggtg gatca cttcaagaag 120  
 caatttgc atcttgagga gcattatgga aaaggTgaa ctgttactcc acccgagagg 180  
 caacatgcat cattaccag gTcatgtgtg ttgtattcag ataactcagg accaaatatg 240

gctgaggttg c

251

<210> 38302  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944601H1

<400> 38302

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ctcttccatt cacaacctta aacctttctt tcttgtaaac tttattgatt gattctgaga 120  
atagaactaa gagggatatag acatggctag cgcaattgca gcttcttttt tggttctgct 180  
tctggctttc cccactgtat ttggagctga ccatgaagtt ggtgacacta gtggatgggc 240  
cctcggagtt aattacaaca cctgg 265

<210> 38303  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944602H1

<400> 38303

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ggtcgtttcg gcaccatctt ccgctgcttc caccactct ccaacgcacc ctacgcctgc 120  
aaactcatcg acaaatccct cctccatgac tccaccgacc gcgactgcct ccagaacgaa 180  
cccaaattca tgaccctcct ttcacctcac ccaaacatcc ttcaaattctt ccatgttttc 240  
gaggacgacc aatatctctc catag 265

<210> 38304  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944603H1

<400> 38304

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atgagaagag gtctgagtat ggtgatcgtg aaatcacaaa ggcagatctg gagatgggtga 120  
 ctagattaga tccacttcgg gtgtatcctt acagatatcg agcagcagtt ctgatggaca 180  
 gccataagga agaggaagcc attgcggaac tctctagagc aattgcattc aaagctgatt 240  
 tgcacctctt gcatctacgt 260

<210> 38305  
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 <213> Glycine max

<223> Clone ID: 700944605H1

<400> 38305

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 ctttgcaacg ctgcttctga caaaaaacgt tgtaccatcc gaaatgtcgg acacagtgga 120  
 acatacagat caaagagctg aagctattcc ccaatccaca gctacaccaa attggactat 180  
 tcatgtgtca gacataagaa cagttaaggt tagcaacata tcattgggta cttccaagaa 240  
 ggacattgaa gaattctt 258

<210> 38306  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944606H1

<400> 38306

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 tctcttccg ctccctcacc accgctccct ctgctcttc cctccccgcy ctctccttcc 120  
 tccgccgtat ctccgttgca gccaaacctt cctccgcgcg cgtcctcttc ccaaagcccc 180  
 cctccctccg cgcctcttc acacgcgcga ccacctcttc cctcaacgac cccaacctta 240  
 actggtccaa ccgtcccccg a 261

<210> 38307  
 <211> 257  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700944607H1

<400> 38307

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gaccgcgtgc ctgttgaaac atgagccggc gactcatagg cagtggcttg gttaagggaa 120  
accaccggag ccgtagcgaa agcgagtctt cacagggcaa ttgtcactgc ttatggaccc 180  
gaacctgggt gatctatcca tgaccaggat gaagcttggg tgaaactaag tggaggtccg 240  
aaccgactga tgttgaa 257

<210> 38308

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700944608H1

<400> 38308

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ttatgtgtac gtattccacc actgcgccac aacacgcgtg agattttcac tcgccgcttc 120  
cctctctagc ctcttcgaaa catcaacacc tcctcttctt ctgattctga ttctgattcc 180  
gattccgttt cattccaaac aatggagaga ccactcctca agaatttcga gctcgagcac 240  
aaaaatccct ccgtcgaag 259

<210> 38309

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944609H1

<400> 38309

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agaagaagca agaagagttg aaggagaagt ttgacaacct ctgcaagggtg atcaaggatg 120  
ttttgggtga caaggttgag aaggttgtgg tctctgaccg cggtttagat tcaccatgct 180  
gtcttgtgac tggcgaatac gggttgaccg caaacatgga aaggataatg aaggcccaag 240  
ctctaaggga caacag 256

**D J L R**

<400> 38310

<210>	38311
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<212>	DNA
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<400> 38311

<210>	38312
<211>	254
<212>	DNA
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<400> 38312

15326

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 ggacaggaga taat 254

<210> 38313  
 <211> 257  
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 ctgcgtctct tctctttctc ttctgattca tccctcattc ataatcttcc aatccaacaa 120  
 cctcagcctc acactcacac atacacacat ctgaacgcgt atcgtccctc ccatggcttc 180  
 aaagcgcatt ctctaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240  
 tgggtccagta gctgagg 257

<210> 38314  
 <211> 259  
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 <213> Glycine max  
 <223> Clone ID: 700944615H1  
 <400> 38314

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 atctgctaaa agcatcttca acgtctcata agtcataaaa caagtaccta caccgggcac 180  
 caccttgtag tctgatatac aagaagtaaa tgtatgaggt tatttaccca tacaaaaaat 240  
 gttaagttac atttacgat 259

<210> 38315  
 <211> 216  
 <212> DNA  
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 <223> Clone ID: 700944616H1

<400> 38315

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 atgtcaagtc ctttgaatgg ggaaaggaca ttgaaagtca tgatatgcta agacaagggtt 180  
 tcaactcatgc tttcttgatg acattcagtg ggaaag 216

<210> 38316

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944617H1

<400> 38316

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 aaagatgcct cgtggaacgc ttgaagttgt tctgatcagc gccaaaggaa tcgatgacaa 180  
 tgattttctc tccagcattg atccttatgt gattctcaca tacagggcac aggagaaaaa 240  
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<210> 38317

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944618H1

<400> 38317

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 ttcagacact atccagtact gatgcactctg aactattgga agctgtgggtt aaaattgtga 180  
 atgaatgtct agctgaagtg cctcgatttg gatttgaaga accaaaatca gctcttggaa 240  
 cttcagaggt tctcgaaatc a 261

<210> 38318

<211> 256

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944620H1

<400> 38318

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 ggtgctgggg cagccgagga tgattatgct gtccttctg gtggaagtgg tgctggcccc 180  
 aagattgagg aagtggacta aatgtgtagt tgctttcatc catttatctg tttaaaactt 240  
 atttgatgct ttttta 256

<210> 38319  
 <211> 200  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944589H1

<400> 38319

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 ttgaagttaa ttgttgacagg gggatgatga acagcagggt ggcttcttgg agttgtttgt 120  
 gatctcaaat tatctcatcc tccaccaata gccacgggtcc ctttgggcac agggaataat 180  
 ctacctttgg cattgggttg 200

<210> 38320  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944560H1

<400> 38320

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 cagctgtttc actctaggtc aatgtggttc ccatggagct ccaggaagag aaatgttgag 120  
 tgagagcaag ctgaaggacc tctgcatgg ttcagaatat gtactcactt atgaagataa 180  
 agatggtgac tggatgcttg tcggagatgt accatgggat atgttcattg acacatgcaa 240  
 aagactgaaa atcatga 257

<210> 38321  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944561H1

<400> 38321

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 ctgttgaaga ataagttatg ttgaacttgt tgcataattt atcttttgca cttgagttgt 180  
 caattttag atagtgttc ttatgttatc ttgagaatat ttggtttttt cttccatgt 240  
 ttctctctga ctttggcatg 260

<210> 38322  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944562H1

<400> 38322

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 cggcgcgttc cgcgtgccgg aggatctgtt tcttgacgac caggacaact ctcaggccac 120  
 cggattcctc tccttctctc gcggccctgc cgcgtcggc 159

<210> 38323  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944563H1

<400> 38323

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 tttgagtcac cactaacgag aaaacacatc aatgaaggag gggaagcaca caagatgata 120  
 gaggttgagg gaagcattga tgggtgtggat aaggaattgt ttgacaaaaa tgggtgagatc 180  
 gagacgcttg cgaggagct aagaattacc aaagaaaatc tcaaagcttc ggaaatgcaa 240

attacttcac tgaaatttgg

260

<210> 38324  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944564H1

<400> 38324

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tgtgttcagc agctccatag tgtcgccgcc ggaggagctc gttgccgccg gcagccgtac 120  
accgtcgcgcg aagatgacgg cggcgggcgt gcggaagtgg ttcgaggaga agaaccctc 180  
cgcagtgtcg gtggagggtcg gagagcatgt ccagctcgtc tatacgcacc agaacgagtc 240  
gccgtttcag cc 252

<210> 38325  
<211> 200  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944565H1

<400> 38325

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tccgtgttac ttgttcccaa gtctccaaca agcaaagtac atgggtgatt tggaaatcca 120  
gggtcccagc gcattcgacc cgtttgccga ggcgagagaa tcagatgccc ccgggggcaaa 180  
ggagtatgtg cacatacgaa 200

<210> 38326  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944566H1

<400> 38326

cactcgcaag caaaaagaaa gaatcccagg cgaggagaaa gatggagggg aaggagcagg 60  
atgtcgttgg gagcgaacaa gttccccgag agacagccga ttgggacggc ggcgcagagc 120

caagacgacg gcaaggacta ccaggagccg gcgccggcgc cgctgggtga cccgacggag 180  
 ttacgtcat ggtcgtttta cagagcgggg atagcagagt ttgtggccac ttttctgttt 240  
 ctctacatca 250

<210> 38327  
 <211> 230  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944567H1  
 <400> 38327

aaatgtgtta ttgagaggat attgttttta aacatatctg ataaagtaag ggtgttaaag 60  
 caatggcaga gacgatatat tgggtgctgtg ttgttgtgtt tgtggaacta gtgctagtgt 120  
 tgagcggctg cgagtcaagc acaaacgagt tcagtgttcc aatgttgatg cagatgaata 180  
 tcaacaaagc gtgtgatgag atatacgtgg ttcgtgacgg agagactctg 230

<210> 38328  
 <211> 228  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700944568H1  
 <400> 38328

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 ctcatctca tctcactttc ttttcttatt ctttctttt cccgaatctg aatttttccc 120  
 tacaaaatcc atcagcntgt ctcacggaca gatccgaaag tggatgcaa atctatcacc 180  
 cctcgtcgcc cgagattatc gtaccatta gattcttctt ccctcttc 228

<210> 38329  
 <211> 104  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944569H1  
 <400> 38329



cgcaataact gaagatatac atgatgttta taatctgggg aaagaggcag ctgctatcca 60  
 cctttctctt atggaaggcc tttcgaaggc aaatgcaatc cttt 104

<210> 38330  
 <211> 230  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944570H1

<400> 38330

ctaaaatata aatttatatt ttaaaatgaa ctttacgaga tatattaaag gatgcaacat 60  
 ttgagagtgc aggattcaat agtctcact tattcaggag aacacttcga tatatcgata 120  
 tatggggaat aataattgta catacaaaga ggtaatggtg catctgtatg tatgtatgta 180  
 tgataatggg tttcgatatg aatgattcgc aggcaacata aaagggggccc 230

<210> 38331  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944572H1

<400> 38331

gaagaacctc tgggtcccga agatatgtgg tactgtccta aatgcaaaga gagacgacaa 60  
 gcaagcaaga agcttgattt gtggagactc ccagaggttt tggtcattca tttgaagagg 120  
 ttctcataca gcaggtcgat ggagcataaa ctggagactt ttgttaactt tcccattcat 180  
 gatatttgatt taaactaatt acatag 206

<210> 38332  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944573H1

<400> 38332

gcagtccttt cattaagtca ttcattcaag gttttctacc gggatttgca ttgaagcttt 60  
 ttctcatctt tttgccaaca atattgatga tcatgtcaaa atttgaaggc ttcggatcta 120

tttcatctct ggagagaaga gcagcatcta gatactatct tttcaatttt gtgaatatat 180  
 ttcttgggaa catacttacc gggacagcat ttgaacagct ggactctttc attcaccaag 240  
 cagccaatga gtaagtcac 259

<210> 38333  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944574H1

<400> 38333

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 gtatataaac ttgtgggcca tgggtggcatg gaattttaat ttatctcggt tgtattcacc 120  
 taattcgaag caagtttggtc cctgattgag ctggttacga ggcagaggag gggcatgcat 180  
 atgcttttcg tgtaatatta aatgtacgtg tatatcaatg atattttttt ttccttgt 238

<210> 38334  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944575H1

<400> 38334

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 tccatggctt tgcccaatca gcaaaccgtg gattacccta gtttcaaact cgttatcgtc 120  
 ggtgatggtg gcacaggaaa gacaaccttt gtgaaaaggc atctcaccgg agaattcgag 180  
 aagaaatatg agccaaccat cgggtgtggag gttcaccat tggatttttt cacaaactgt 240  
 ggaaagattc gattct 256

<210> 38335  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944576H1

<400> 38335



<213> Glycine max

<223> Clone ID: 700944579H1

<400> 38338

caagaatggt atggaataac tagaattatg catgagatga ctttgttctc agatccataa 60

ttaataatat tcagaatttc tgtttgatct 90

<210> 38339

<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: 700944580H1

<400> 38339

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aggcatggga acttcagtgg agaatcgtcc atcaaatgag acccttgctt ctatctatgt 120

tgaagccatt gaggtggggt accgtcattt tgacactgct gcagtgtatg gaacagagga 180

acccataggc ctaccgtgg 199

<210> 38340

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944581H1

<400> 38340

ctcttcgagg gtttggtggt ctcttctctc ctggagaaa aagaagagcc agcgtgcga 60

cgccgttcgt gcatttttga ggtgccgctg tcatgtttgg gcgtgggtgga ccaaggagga 120

gtgataactc caaatattat gatattctcg ggatttccaa aaatgccagt gaagatgaaa 180

tcaagaaggc tatagaaagg cggctatgaa gaaccatcca gataaggag gagatcttga 240

aaagttaaag ga 252

<210> 38341

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700944582H1

<400> 38341

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cttttctaag gcccaaattgg gaggggtgga tgtatgatgg tgatgagaat aaacggctgg 60
atgcacttcg gttagccatg gagttgggag ctgattacat tgacattgaa cttcaggtag 120
cacatgagtt ctatgactct atacgtggga agacattcaa taaacccaag gtcattgttt 180
catctcacia ctatcagctt actccttcaa ttgaggatct tggtaacctt gtagcaagaa 240
tacaagcaac gggag 255
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<210> 38342

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700944583H1

<400> 38342

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cacaaccact ctttaatttct ctctgccttg ctcatttaca cacctctcca acctttcact 60
ttcagcttta tttgaatccc tctctctcct ttccaaatgg ccagcgttga ggttgacat 120
caaacaccaa caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca 180
accccggaac cagtaccagc cactgaggct cctgcaccag acaagcagca ctgaggttct 240
gctc 244
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<210> 38343

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944584H1

<400> 38343

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gggtgattcc agtgggggtgg cagtgaacaa attggaaagt attagccaag gagagaaaca 60
gttccgaaca gaagttagca caatagggac agtgcaacat gttaatctcg ttaggctccg 120
cggattctgc tccgaagtgc caaaagggtta ctagtttatg attacatgcc aaatggctcc 180
ttggatttcc atttgttcca taacaagaac tctaagggtg tggactggaa aatgagatac 240
caaattgcgt tggg 254
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<210> 38344  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944585H1

<400> 38344

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 aggaccgtta tgctcttagg acttcaccac aatggcttgg tcctctaatt gaagtgatta 120  
 gattctctac caagtcaatt gagagggaga ttaactcagt caatgacaac cctttgattg 180  
 atgtgtcaag gaacaaggca cttcatggtg gtaacttcca aggagctcct attggagtct 240  
 ccatggat 248

<210> 38345  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944559H1

<400> 38345

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 gtcgtggcaa gcgtatgtgg atgatcacct actgtgtgaa atcgaaggta accacctcac 120  
 tcacgccgct atcatcggcc aagacggaag cgtttgggct cagagcacca acttcctca 180  
 gttcaaacct gaggaataa ctgccatcaa taatgactt 219

<210> 38346  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944586H1

<400> 38346

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 atgtggtttt tatgttgcac gtgttgttgt tattattaac agctatatga tcttcgtttt 120  
 aattttgtgg ttttccttcc tgcccttggt atgtttgtgc attaaataaa agtaagaaat 180

gccccaccac taagtaatgc tatatggatt atgtatgtgt tccatatatg tcaagtgagt 240  
 ggtgtgtggt tgt 253

<210> 38347  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944588H1

<400> 38347

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 tgcttgatca tgtcggatgat gatgttcatt gagagagtct acatgggcat tgtcatcact 120  
 ctggtgaagt tgtttgggag aaagccagag aaacgttaca actgggagcc aatgaaggac 180  
 gacattgagt tgggatactc ttgttacgcg gtgtgatctt gttcaagtcc ccatgtacaa 240  
 cgacagagag gtt 253

<210> 38348  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944527H1

<400> 38348

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 agattaacat taatggctcc aagggatatc aatagatcca acgttggtgt tgttgccgga 120  
 gtatccaacc cgaccataa agagatccgt taccgcggcg tgaggaagcg gccgtggggc 180  
 cgctacgccg ccgagatccg cgaccaggc aagaagacac gcgtgtggct aggaacgttt 240  
 gacacggcgg aggaggcgtc gcgtgcg 267

<210> 38349  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944528H1

<400> 38349

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 gaacaaattg gaggaggcaa agctgtggcc acagtcctag ccattggcac agcaaatcca 120  
 cccaatttca tccttcagga ggattatcct gacttctact ttcgggtcac caatagcgac 180  
 catttgcacc gottgaagca aaagttcaag cgcatttgcg agaattcaaa gatagaaaag 240  
 cgacacatag tccacacg 258

<210> 38350  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944529H1

<400> 38350

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 cgccgacatc caggtagggt tctacaactt cactgccttg agaattgaag tggaggtgta 120  
 tgggtggcagc cttatatttt tgcaaccgga ttctagtaag aaaggggtgg tacttatgga 180  
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 ttggacttgg a 251

<210> 38351  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944530H1

<400> 38351

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 cagtatatac ttgaaatcag tgtgtaccaa gagagcatga gagcttgaag gagctacgag 120  
 agttgaccga taaacaccct tgggaactga tggctacacc acctgacgaa gggcaacttc 180  
 taggcattgct ccctaagctt atcaatgcc aagaacaca 218

<210> 38352  
 <211> 270  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700944535H1

<400> 38352

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ctcgcattga cgacgaggtt catcgccgga gccagagcaa ccagaccttc acctgcaggt 120  
gtgagctcca gactcctcac tgcgacgccg tcggatccac cgccgtcgtc gccgtcgta 180  
cgccggacaa aatcgtcgtc tctaactgcg gcgactcccg cgccgtcctc tgccgcaacg 240  
gcgtacgcat cgctctctcc tccgatcaaa 270

<210> 38353

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944536H1

<400> 38353

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ctttaacaca tatggaccac gcatgaatat tgatgatggg cgtgttgta gcaacttcat 120  
tgctcaagca ctgcgggggg aaccattgac atcccaatgt ccgggaacac aaactcgaag 180  
tttctgttat gtctctgacc tggttgatgg ccttatccgt ctcatggaag gatcaaacac 240  
cggaccaatc aactgtggaa accc 264

<210> 38354

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944537H1

<400> 38354

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tttagaagga gctcatgttc acattgttca cttgtctgat tcaagtgtt ccttgatct 120  
gattaaggaa acaaaaagtc gtggtgacag cataagtgtt gagacttgta cccattactt 180  
agctttctca tctgaagaga taccaaattg agatactcgt tttaagtgtt ccccgcccat 240  
tcgtgatgct tataacagag 260

<210> 38355  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944538H1  
 <400> 38355  
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 agttccactc ccttccccta tgttttttcc ttctcttggc cttcaacaca aaaccctcc 120  
 tagcagcaga accagagcca gtgggtgata agcaagggaa ccctttggag ccaggagttag 180  
 ggtactacgt gtggccactt tgggctgatg aaggaggcct cacactaggc caaacaagg 239

<210> 38356  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944539H1  
 <400> 38356  
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 ggaaacaaat ggctcagatt cgtgagttgg ttgagcttcc attgaggcat ccacagcttt 180  
 ttaaataaat tgggtgtgaag cctcccaagg gaattttact ttatggaccc ccagggttctg 240  
 ggaagacatt aatagcaaga gctgt 265

<210> 38357  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944540H1  
 <400> 38357  
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 atgatagctg agtcagtacc caacagcaac gattgagttt agaggaactg tgattggtgg 120  
 ttctccttct gctcctcaaa ttgcttcctt ttctagccgt ggaccgaacc atcttacatc 180





<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944549H1

<400> 38363

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 tacagggtggt gttcctgttc ccctcaagca cccctgagat tcattcccaa aaagcttaaa 120  
 aaattctatt caattcaaat tctaaattta atttccattt cgttttcggt ttctgttttg 180  
 atttgatctt ccaatggcgt ccgatgggtt caccga 216

<210> 38364  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944550H1

<400> 38364

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 gatgtgtcgc tgggagcgaa caagttcccg gagagacagc cgattgggac ggcggcgag 120  
 agccaagacg acggcaagga ctaccaggag cgggcgccgg cgccactggt tgacccgacg 180  
 gagtttacgt catggtcctt ttacagagca gggatagcag agtttgtggc cacttttctg 240  
 tttctataca tcaactgtctt aa 262

<210> 38365  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944551H1

<400> 38365

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 gaaaatgggg ctgtctttca ccaagttggt cagccgactg ttgccaaga aagagatgag 120  
 tatactgatg gtgggtctcg atgctgcggg taagacaacc attctgtaca aagctcaagc 180  
 ttggagagat tgtcacaaca attcccacca ttgggtttta tgtggaaact gtggatatag 240  
 ga 242

[illegible]

<400>	38366
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<210>	38367
<211>	261
<212>	DNA
<213>	Glycine max

<400>	38367
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<210>	38368
<211>	260
<212>	DNA
<213>	Glycine max

<400> 38368

15346



<400> 38371

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gctgcgctctc ttcctcttct ctttcgatcc atccctcatt cctaattctc caatccaacc 120  
acctcagcct cacactcaca tatacacata tctgaacgcg tatcgtcctt cctatggctt 180  
caaagcgcg cctcaaggag ctcaaggact tgcagaaaga ccaccaactt cttgcagcgc 240  
tggtcaagta gctgagg 257

<210> 38372

<211> 220

<212> DNA

<213> Glycine max

<223> Clone ID: 700944526H1

<400> 38372

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caattaatgc gtagcctatt ggtttggcct tggactctac cattctgggg ttcaagttca 120  
tgggctggaa tatggatttg gtgcgaacga gcacgacaca acggggattt tccaagttca 180  
accgaaacac tgccttgggt tcaccttcag aaagtcaatt 220

<210> 38373

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 700944486H1

<400> 38373

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gcaaattgta aatttaaaga tcgttggatc tctctatctt tgttcctgct gactaatttg 120  
agagcaggct atctatgcta tgcattgatg taaaataata taaagttatc gaagtatttt 180  
gtgctt 186

<210> 38374

<211> 257

<212> DNA

<213> Glycine max



<223> Clone ID: 700944487H1

<400> 38374

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 cttggagagt gcaggcataa gttgtttgaa gtaagggtcaa ggcgtccaaa gccacatttg 120  
 gatgataagg ttattgtatc atggaatgga ctggcaatct catcttttgc tagggcttct 180  
 aagattctca aggggtgaagt tgaaggggacc aaattctact ttctgtcgt tggcactgaa 240  
 gcaaaggggt acttgag 257

<210> 38375

<211> 205

<212> DNA

<213> Glycine max

<223> Clone ID: 700944488H1

<400> 38375

aatagatcaa tgactagttg tatgtttgtg atacttatta gataaagttt ttccccctaa 60  
 tgataaatatg gaaaatggca tttgtgaaca tgaacattgt agagggaaat ctaagtgaac 120  
 atggctgttg aatattagca gctgccctta atgtggagta tcttgagcta ggaaaaaaaa 180  
 ttggcacaaa atcaatttat gttct 205

<210> 38376

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700944490H1

<400> 38376

gaagcccata cttgtgggag atagatggca cgcttgtcac tgctcatttt cgcgttctgc 60  
 gccgtcgccg tcgccgtcgc cgtcgcgggc tcctccttcg atgatgccaa ccctatccgt 120  
 ttagegtcgg acttgagtc gcagggtgtg gacgtgatcg gacagagccg ccacgtcttc 180  
 tccttcgccc gttcgtcgc cgcacagggc aagcgtacc gttccgtcga cgagatccgc 240  
 aaccgcttcc ggatcttct 259

<210> 38377  
<211> 119  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944493H1

<400> 38377

ccagaatttc ctctcccccac tgctttctttc ttccttgagc gcgattgct gcacccctct 60  
ccacataaga gtcgctgct agcgataccc ctaacatcga gcggcaacga tgatgggtgt 119

<210> 38378  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944494H1

<400> 38378

aaggcgatga accaagaagc ttgaggaatg ggttttagct tccagaatag cagtggctga 60  
ctgcctgggt ctccgaatgc gggggaggac catgggtcgg ccagatccac catccaacaa 120  
acgagaatta tcgtgggtcg gtgatgttgg ttttgttgtt gatgcttggg ggcattgatgg 180  
atgggtgggaa ggcattgttg ttcaaaaagga ctccgaagct aattatcatg tttatttccc 240  
aggggaaaaa gtggtgtcag 260

<210> 38379  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944495H1

<400> 38379

cggctcgaga gcgagtatcc atttctaggt gccatcataa taactaataa cccaacctct 60  
cgagagtttg ttatattatt actgataaat tggttggtggg ggtggcatag ttgcagttgg 120  
aaatcgaaag aagagaaaag aaattggata gtgattattt gggttcgta tcgttgaaac 180  
gtcttctcaa atctgggtgtg gtgaataaca tcacctca cactcactca acctaaacaa 240  
aatgcagagc cagagaacca cgc 263

<210> 38380  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944502H1

<400> 38380

ctatttgacg acttaacccc aaacgaagaa aaaagactga gagcaattgc atcaacaaca 60  
 aattgaaagg atgtcgatct tcgagtacaa cggaagcgcc gtggtggcta tggctcggaac 120  
 gaactgcttc gccattgcca gcgaccgaga gctcggcggt cagctccaaa ccatagcaac 180  
 ggatttccaa cg 192

<210> 38381  
 <211> 59  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944504H1

<400> 38381

tggaacagat ggcgggtaga ggtttcagac gtgacttgct tcttacgtga tttggctct 59

<210> 38382  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944505H1

<400> 38382

gtgattctgt ttggagagta caggaaatca tcaagaagaa catatatact gctagggagt 60  
 atgtcgttta tgtttatagt ggctgatgct gtgctaattg catcatcagg gcaaagaaac 120  
 agcactgcca aggaataatt ggacaacaca caagttgttt atagattgcc tagtgcaaag 180  
 ggagaaaaat tctcattggt cattgggtgtg aataagagaa gacgaaaaaa tctattaaga 240  
 aaagagtgcg gaaaaagaaa taaagca 267

<210> 38383  
 <211> 108  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944506H1

<400> 38383

gaggaatcta aacgatggca aatgagctta agtggtacat tgttcaatta attattttat 60

tttgcaagtgt ctagctgcgg ctctgtattt caatactttt agtacaac 108

<210> 38384

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700944508H1

<400> 38384

cccaaagaga atcaaatcaa aacagagtgg aagaggcatg gagtcagtga ctacaaggct 60

ttccccaaag gtagttggag gggcaaactc ccaacatggc atggagtggg ttaggcactt 120

tcagatgcca ctgcactatc caaggtacac ccaagctgac tatgaggcaa tgccagagtg 180

gaggcttgac tgtttgctca aagagtatgg cctaccaatc tttggggatg tcgaaaacaa 240

gataaacttt gccatgggtg cctttctatg gat 273

<210> 38385

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944509H1

<400> 38385

ctttgtgtta gaatcatcat gggtttgcaa aaccaattaa acgacgtgtc gtcggggttcg 60

attccgcttc tgggtgttggc gcagatagcc acctgcgtca actacctccg ctccatgctt 120

ttcgcgcttt tgcaaaccct aggtctcagc cgattccact ccgaccagat cgtcgacgag 180

cgcttctctg cagccgtcgg atccggcctc gccggactta tcagggtctc agatcagctc 240

accctcagca 250

<210> 38386

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700944511H1

<400> 38386

ctgatttaca ttcttgccat tcgtgttgaa ctgaaaacca aattgaaaga aagaagccta 60  
 cggctctgaaa aatccacttg tctgatgag ttatgtaagt ccagtaatgg cagcagcaac 120  
 tgcccttctt tctcttgcat tagatccatg ggatgaattc cgagaaaaca agtactttga 180  
 taattcattg catattactc gaagttgctt gctgatgctt cttgggtggca cattgccttt 240  
 tttatggtac taacagaata tgttctggtc t 271

<210> 38387

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700944512H1

<400> 38387

atttcagctt tcgaagcatt tctgctttcc ttggccagta aatcatactt cattgagccc 60  
 tgatgggaaa ctagtgtgca ttgttggaaga ctaccagaa gggttactgg tggattctca 120  
 aacaggaaag actatcacac cttttcgtgg acacttggat ttctcatttg catctgcatg 180  
 gcacacctgat ggccacatat ttgtactgga gaaccaagac aaaacatgtc gtgtttggga 240  
 tggtcggaaac ttgtcaaaat ccgttgctgt t 271

<210> 38388

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700944513H1

<400> 38388

gcaaaaaacc aattcaagat gaagataaag tctcattttt ctttctccct aatgtttctt 60  
 ataggcatag ccattagcca cacacatggt tcttttagcag aatgtgacaa tgtgaaggac 120  
 tattgcccta caattcctcc ccaaaagcaa accatattcc tcaatggctt ccctgcgag 180  
 aacccaaata acacaattgc acatgatttc aagagcatgg aactaagcaa gccagggttca 240  
 agagacaagt taggttcatt agttaaatt gtt 273

<210> 38389  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944515H1

<400> 38389

cttaatttct ctctgccttg ctcatattaca cacctctcca acctttcact ttcagcttta 60  
tttgaatccc tctctctcct ttccaaatgg ccagcggtga ggttgacat caaacaccat 120  
caacagttcc agaaaatgaa acaaccgagg taatcaagac ccaggaaaca accccggaac 180  
cagtaccagc tactgaggct cctgcaacag aacaagcagc agctgagggt cctgctgcag 240  
aagaacaaca agcaactgat gttcctgccc ca 272

<210> 38390  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944516H1

<400> 38390

ctcgagccgg atagatagag tgatacacat cacattttct caaagtaatt tataaataaa 60  
tgggcgccggc ggcggcagtg acggtgctac tcccacctag gattccgacc gccaccaacg 120  
ttaccgcgtg ctctgctttg ccttctctgc ctcccgccg caccaacact aaaaccactt 180  
tgctcttatt tccctcaac cacttctcag tgtcccgaaa atcttctctg cttcagacca 240  
gagcttcttc agaggaatca tctcagtag 270

<210> 38391  
<211> 289  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944517H1

<400> 38391

gcgtattcgg ctcgaggggt gagacctgat ggcaagaccc aagtcactgt tgagtactac 60  
aatgacaagg gtgccatggg tccaatccgc gtccacactg tgctcatctc caaacagcat 120

gattaaattg tcacaaatga tgagattgca gctgatctta aagaacacgt gattaagcct 180  
 gtgattcctg agaagtacct tgatgagaag accattttcc atttgaaccc ttctggcagg 240  
 tttgtcactt ggatgccgaa tgtcgatgct ggtctcaccg gccgcaaga 289

<210> 38392  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944518H1  
 <400> 38392

cagagaccga aataacttoga gatggcccgt acaaagcaaa ctgctcgtaa gtcaactgga 60  
 ggaaaagctc ccaggaatca gcttgcaaac aatgctgcac gtaagtctga accaacaact 120  
 ggtgctgtga agaagcctca tcgttatcga cctggaactg tgccccctcg tgagattagg 180  
 acataccaga ttagcgctgt gctcctaate aggaaccttc atatccaaat gttggttcgc 240  
 gaaattgccc aggatttcaa gactgatctg cggt 274

<210> 38393  
 <211> 173  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944519H1  
 <400> 38393

ccacaacaag gcagcagtgc gaagagaaaag atagagaaga agcgcttate gaactcggac 60  
 gggagcactg agttagctca gagcgagtga aagtggttct gcgtgatgtc tgggtgtatc 120  
 gcccgaggac gtttcaccga ggagcgcaag tcgtggctga agaaacatcc cca 173

<210> 38394  
 <211> 124  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944520H1  
 <400> 38394

gacaatatct aaggtgttgc tctccatttg ctccctattg accgatccgt accctgatga 60

ccccgttggg gctgtaattg ctcatatgta caagccagat cggctctatgt acgcaacgac 120  
tgct 124

<210> 38395  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944521H1

<400> 38395

atcacaacca ttggttaaggg tatgcgttgg gaatgccgta aactcgatac tgagaatggc 60  
agtggcattc agaagatatt agtatgccag aacaagctat ggtattcatc caaccgcagg 120  
gttcaagatg ataaactatg gaactaaagc agtgggtgaaa tgggtgtatga gaggcaaacg 180  
aaagcaaatg cagagtatgt tgactcgaat tctataatat aatgagccat gaatcagcca 240  
cgttc 245

<210> 38396  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944522H1

<400> 38396

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
gacgacggca acgactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180  
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240  
tacatcaccg tcttaa 256

<210> 38397  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944523H1

<400> 38397



ttgaacggga atttttaatt tgttatccta ttcattcattt gtagcttggt atttcgaaat 60  
 tttgagaaca atggatcact tcgtctgtac gattgattga ttagccacta gcaactcatc 120  
 atcctaacca tgcttttgca gttttgcgtt cccaattttc tttgaatcta gtaatttagg 180  
 gattagaatg aagtgaactg aaaacattct gtctgagact gacctttgat tttcttgctc 240  
 ctatcttttt agtttgtaaa aat 263

<210> 38398  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944485H1

<400> 38398

gctaaatata ggcaagctaa gtccggataa gagccattca aattttcagt ccagtgtatt 60  
 aacaataagg aaaatatgag gagctgcaac attagaaagc acctccacat aatgcatgtg 120  
 agcaattagt gacagcaagc taatttttgg ataagtcac aaatgatcaa gcacacaaca 180  
 aagcctacaa agagatattc tgcttcaagg ataggattta tatatatata tatatatatg 240  
 gcattgatca cgtatatatg t 261

<210> 38399  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944524H1

<400> 38399

taggctcgat cgaaatgaaa gcagcggcga agatagagtc agatcggaag cggaagaagg 60  
 cgtcgacctc ggccggcgag aaggagaacc ggaataagca taagaagtcg aagatgtcgt 120  
 cgtcgtcgtc gaagggtggt ggccgtattg aggttagggc ttcgcacata ttgataaaagc 180  
 acgaaggttc tagaaggaag gcctcgtgga aggatcctga aggtcgcac atcaagagca 240  
 caaccagaga aaacgcggtt tctcagctca a 271

<210> 38400  
 <211> 271

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944449H1

<400> 38400

cggatctaga gtcttcagtt tctcctcggt gttcttcgct ttctgtttt caatttcgat 60  
 tcttttcgtta atttaataag atgtttggga gggcaccgaa gaagagcgat aatacgaggt 120  
 actacgaaat cctcggcgtc tccaagaacg cttcgcagga tgatctgaag aaggcttaca 180  
 agaaagccgc cattaagaat cccccgcaca agggcggtga tcccgagaag tttaaagagc 240  
 tggcgcaagc ttatgaggtt ctgagtgacc c 271

<210> 38401  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944450H1

<400> 38401

cagaaacagg tcaaataatt acaactgcc a ttggcggtcg agatggacaa ccaaagcaga 60  
 caatctctta catggctgaa cgtgtggttg gtactggttc ttttggtatt gtttttcagg 120  
 ctaagtgcct tgaaactggg gaatctgttg ccataaagaa ggtgttgcaa gacaggagat 180  
 ataagaatag ggaactccag gttatgcgca cagttgacaa ttctaattgt gtcaaactaa 240  
 agcactactt cttttcaacc cccgataa 268

<210> 38402  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944454H1

<400> 38402

cggctcgagg gtatggtgaa aacttgaaga aagtgagtc gaagttcttg accatctcac 60  
 aaaagagaaa tatcaggaga caagcttacc tcaatgaagt gtctcaaagg aatgattcag 120  
 ttttctttgc aaccatagga gcatttgtga ttcttcacc ttttataata ctaggaatag 180  
 ctatattaac tggctatgta cagctttttc cttgaaatac tatagttagc gatacttaag 240

tgatatatca atgtgatatt aa

262

<210> 38403  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944456H1

<400> 38403

ccaagaactc gatgattact tcaacactcc tgggggtgcg acccgggtcc ctcactttgg 60  
ttccaccaac tctcttctct atctcaatcc tcgtctcaag catatcaccg gatacatggc 120  
acccttggtg gattcattac aaaagcttgg ctacgctgat ggtgagactc tggtgtggag 180  
ccccttatga ctttagatat ggtctagctg ctgaaggctca cccttcacaa gtgggttcca 240  
cgttcctcaa agatctaaag aatt 264

<210> 38404  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944457H1

<400> 38404

ggtggtggaa acaatcagaa ccaaggtgga ggtaacaaaa acaatggtgg taaaaatgga 60  
ggtggtgcac cggagggtaa acatggtggt ggtggtggag gaggaacaa gaatggtaac 120  
ggtaacaatg gagcgggtaa caacaataac aacgggggta aaaaaggaaa tccaatgggt 180  
ggagttggtg ttcaacctat gaacggtgga tttcaaaaca tgggtggtga tgggtgtccc 240  
caggttatga tgtctgggcg t 261

<210> 38405  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944458H1

<400> 38405

attgttttat ctcagaatga tccgttcaga tgcttgagtg ttattgtccc tctactgggt 60

actgaggatg agaaaactct tatcacttgc ataaattgct tgacaaagct tgtggggagg 120  
 ctccctcagg aggaactgat ggctcagtta ccctctttcc tgcttgcctt gtttgaagct 180  
 tttggaaacc agagtgtga tgttcgcaag accgttgctt tctgtctagt ggatatttat 240  
 atcatgcttg ggaaagcatt 260

<210> 38406  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944459H1

<400> 38406  
 gggatggagt gcactacaca gaagctgcaa atcactggat tgcaaatcga atacttaatg 60  
 gttccttttc agatccacca ctttccattg cacactcgtg ccgtgcccaa taactctcac 120  
 tagtactgtt caattaccac ctttacaaaa tctaattgctt ggtgtttgct taatcataaa 180  
 taatttaatt cttttgcatt tggtcttttac cttggaccaa ttgagtcact ttcgcccaag 240  
 atttgttatt gtgttcacta t 261

<210> 38407  
 <211> 164  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944460H1

<400> 38407  
 cttaccaact ttgagataga cgatggataa ctttatgagc ttcataagtg actgataatg 60  
 ctgtgagttg aggggttagg gacgagcatc cagtgtgtat tgtaggtctg cgataattag 120  
 cctgctgagg atacggtaat attcgtcgaa ttcgtggaca tatg 164

<210> 38408  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944461H1

<400> 38408

ctcgagccgg tccctttgtg attcctggga aactcatttc attagagtga gagagagaga 60  
 gagagagaga gagaggtatc acagtgagac ggagaagccc taactacgca cgcactcatt 120  
 cttgagaaag ctcaatattc attcgtccat ggcactctct tctcgtctct tttccaaatc 180  
 caaattgatc tatggctgtc aaatacttct gcaaaaggag catgctattc cagttcgtca 240  
 ctttgctaaa gagtctgccc ctc 263

<210> 38409  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944462H1

<400> 38409

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 tctgctcttc ttctaccttt caagttttta aagtataaag atggcagaga cattcctatt 120  
 tacctcagag tcggtgaacg agggaacccc tgacaagctc tgcgaccaa tctccgatgc 180  
 tgtcctcgac gcttgctcgc agcaggaccc agacagcaaa gttgcctgcg aaacatgcac 240  
 caaaaccaac ttggtcatgg tctt 264

<210> 38410  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944463H1

<400> 38410

gttctagatc gcgagcggcc gccctttttt tttttttttt ttaacacaaa ttttagtatt 60  
 taataaagca aaatgcacac atcccccaaa caaaacaagc cttattcaac ccaaattggt 120  
 ttcatatcac agaaaccaac aggatgccgc cttcctccta acgggtccca cccactcgaa 180  
 caaaccttct acagaattaa aaatggctac aattcttcta ccaaaaatct gaaaagtcta 240  
 acacc 245

<210> 38411  
 <211> 246

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944464H1

<400> 38411

tggaaattca accacaaatt ctgagagaaa attgaacaaa ttccagtggc tatggaagtt 60  
 tggccggaat aatggcgagt ttatgtcaga gaaaggaggt gatacttctg aggctgcaaa 120  
 acctgccaac aattgtaaca atcaaagtaa cacaacaccc tcttctacag ccaacaattg 180  
 taataatcat agtaacacaa taacctcttc tacagccaaa aattgtaatt atccaagtta 240  
 cattat 246

<210> 38412  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944466H1

<400> 38412

gttaaataac aaggaagcta tcttggcagc tctccaaact tcggtcatgg atgttttact 60  
 gccggatcca ttgacatttg gcttcaggct tgtagagat ggttctgaat caggaaaacc 120  
 ttattctgat aaagattctg aattagttga atctctgct tccaaagggt ctgtgattgc 180  
 acatgaaatg acaccaatgg aagttctggt tcgcaataac accaaggata tgatcaaaat 240  
 gagtcttaat attacatgca gagatg 266

<210> 38413  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944467H1

<400> 38413

aaagcctctt ttacagttca gtctcttggt aaagcaaat ggtctbagaa gagtgtgtag 60  
 tgcagatgtg gaggctatcc tcagttgggc caggccgggc caccaggctg gaggtgttcc 120  
 acagcccggg tggctcggac ttggccatga agcttcacta tctcagggtg gtgtacttct 180  
 ttgctagtga ggctgcacaa gacctaacca tcatgaaaat taaggaggcc atgttcactt 240

tgctcaacca ttacttcacg acatg

265

<210> 38414  
 <211> 134  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944468H1

<400> 38414

caccctcata aattgcaaac accgatcaga aagaaaaaat gagttccctt cgtctggctt 60  
 atgctgtgtc gatcgagtgc ttgacactac aacttctcat atgcacagca gatccttcat 120  
 ttacgtgaca tgtc 134

<210> 38415  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944471H1

<400> 38415

aagaaggcgt cttcataaac gcctttcttc tccggttccg tttcctcggt cgaattcgct 60  
 ttttgatctg cgaaaatgag agagtgcac tccgatccaca ttggtcaggc tggatatccag 120  
 gtcggaaatg cttgctggga gctctactgc ctcgagcacg gcatcggggc cgatgggcaa 180  
 atgccaaagt acaagacagt tggcggtggt gatgatgctt tcaatacttt cttcagcgag 240  
 actggtgctg gaaagc 256

<210> 38416  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944472H1

<400> 38416

atagaatctc aactcaacca atgtatTTTT ggctttaatt ttttttggac cgatgtgtat 60  
 taattacttg attgtagtta tcgaatttca tcattctaca gaatcaatgg tttcccggtt 120

attgaaaaaa ggcattaaag aaaagattcc cttggatcat tcatggcatc aagatcatat 180  
 gttaatctac tagacttagc tggagggttta ctggatattc cacacaagat agnccccctct 240  
 cganggatga tgacag 256

<210> 38417  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944473H1  
 <400> 38417

gaaacagata gctgcttctt tctctcacgc aaccgtcgtc gttcatcaat ggctacactc 60  
 aacctctctt cggtgcaagc tctcgccttc catcgtttat cctcttcttt tccccaaagt 120  
 acccctaccc tttccttcaa tttccaacca aaacccttcg ctaaccgcgc cccaatttct 180  
 ctgaaaccct acgtttccga gaaacctcgc gcgcgcgtgg tggcgcgtggc cgtgaagagc 240  
 ctcggcgaaa cggaggcggt g 261

<210> 38418  
 <211> 83  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944474H1  
 <400> 38418

gttggtggtc aggacaagat ccgtccactg tggaggcatt atttccagaa cactcagggt 60  
 ctcattttta gtggttgata gca 83

<210> 38419  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944475H1  
 <400> 38419

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ttcctcccaa ggggtggttc agttttgatc tatgccgaag aaacgcaatg cttcaaaaca 180  
 agggcctcaa agccccaacc tttctcaaaa ctggcaccac tattgtcggt ttagttttcc 240  
 aggatggtgt cattcttgg 259

<210> 38420  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944476H1  
 <400> 38420

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 gcaacgcttc agccaccacc accgcccccg ctggcaccgc cgctcttctc cgtcagctgg 120  
 atcgcgggcg cgaagatccc tctttccagg cgcacgcat cggcctctcc tcgtaaaacc 180  
 ctctccatac tttcttcctt actggaggtc gaagtcaagc tgtgcctcgc cgactccaac 240  
 gccaccgac acgtcacc 258

<210> 38421  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944477H1  
 <400> 38421

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 gggaacattg atgaaagttt tgcttcttct ctgttggaag agtttaaaac caatagaaca 180  
 aagtgttttg agctctctga aattgctggg catgttggtg aattcagtcg ggatcaatct 240  
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<210> 38422  
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 <213> Glycine max  
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<400> 38422

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ctatatgcca acctctcttc tctaccatcc tccctcacca ttcgtttcttc ttcattccaaa 120  
gataacctctt tgaaacagga ttggaggaca aagtccaaac ctatcccacc aggtggcaca 180  
taccctgcaa aagatcattg cagtcgttgt gggttgtgtg atacttacta tattgcccatt 240  
gtcaagaatg catgtgcttt 260

<210> 38423

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700944447H1

<400> 38423

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atcgattgta gaacaagaga tgcgcttcgc cgtagttgtc tttctgagct cattgagggt 120  
tatgatcaat gtgtacgagc tttcataaca gaaagcacag atggagatat tcttgaacta 180  
caaattcagg atccttttca tagattgtta ctgcatggag tttgtgagtt ctacaatctg 240  
gcgtcggata cagtgtcagg tt 262

<210> 38424

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944480H1

<400> 38424

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acagaggcag ctggagatct cttagatgat aagtttggtc agaattgaaa cttggacact 120  
tctcttaatc cagctgcccc gaattctaac cctttacctt ccaggagtgc tgtgcttcaa 180  
gcttgcataa taacttgtgg tctcatagct gctttgggaa tagtgattcg gcagggtgtct 240  
catgttgcgt cagtggaagg attg 264

<210> 38425

<211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944481H1

<400> 38425

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 cgttacgata gcaaacaatc tggttatggc ggacaaacta agcccgctctt ccacaagaag 180  
 gctaagacca ccaagaagat tgttctgagg ttgcaatgcc acggttgcaa gcatgtctcc 240  
 caacacgcta ttaagagggtg caagca 266

<210> 38426  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944419H1

<400> 38426

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 ccgaagccct gatggagctt gaaactaaga gaattttgct cgacattttt aaggaaaagc 120  
 agaagaaaac cgccgaagct gctacaattc ccactttcta caagaaggaa tctgcagatg 180  
 gatcaatcag tcatagagtt cagagattgg caaagtatcg ctttctaagg aaacaatccg 240  
 atcttttgct gaatgctgag gatttagat 269

<210> 38427  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944420H1

<400> 38427

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 ccagattaaa aatgatcttg gcatgtccaa ctatcccatg gtcccaggac atgaagtgg 120  
 tgggtgaggta ctggagggtg gatcaaactg tagcaggttc agagtgggag agttgggtggg 180

agttggactc ctcgtaggtt gctgcaaaaa ctgccagcca tgccaacaag acattgagaa 240  
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<210> 38428  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944421H1

<400> 38428

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 gcagctgtat tttaatcctg ctactgtgaa gatgctaagc aatttgaagg ttttagtaat 120  
 agcacttctg ttaaagggtga ttatgaagcg ccggttttcc atcattcagt gggaagctct 180  
 tgctctactg ctcatggta taagtgttaa tcaactaaga tctttacctg aaggaactac 240  
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<210> 38429  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944422H1

<400> 38429

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 gacattggga caaaggctat atatcttgca tacttaccga tggctcatat cttagaatta 120  
 gcagctgaga atttgatggc agctgttggg gttcctatag gatatggatc tcctctgacc 180  
 ttactgata cttcaaacia gatttcaaaa ggaacaaagg gggatgctac tgactgagg 240  
 ccaactttaa tggcagctgt gcca 264

<210> 38430  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944423H1

<400> 38430

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 actgagaata gttactcgta ctatcaggat tactcaaata tggcatgtgg tgtcaatggg 180  
 tatactgtat tcaggccttc aaatgggtccg tagagggaaa agatgacaaa ggttgcccac 240  
 aaattagtgg tcatcaacaa atgt 264

<210> 38431  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944424H1

<400> 38431

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 tcctttgttg ataaagtctt ttaaaacatt tccatcgctc aaatgctgca gcaagagctc 180  
 agatgagaag ggaagtgaag atgtgaagga cacattatct ggggtggtgg acgagcaagt 240  
 tcaagagttc ttgagtagaa aagaga 266

<210> 38432  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944425H1

<400> 38432

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 ggcagcgttt cgaccaggtg attttattgc agtgcctcaa ctcgattaga tcaactcacc 180  
 tggatgctgg gtgggaacag aagagaaaaa ccgaaataga aacataaaaa gtagctgcca 240  
 atttcacgtt ctc 253

<210> 38433  
 <211> 265  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700944426H1  
 <400> 38433  
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 cctcaccgga aagaccatca cccttgaggt ggaaagctct gacaccatcg acaacgtcaa 120  
 ggccaagatc caggacaagg aaggaattcc cccggatcag caacgtctca tcttcgccgg 180  
 aaagcagctc gaggacggcc gtaccctcgc cgactacaac atccagaagg agtcaaccct 240  
 tcaccttgtc cttcgtctcc gtggt 265

<210> 38434  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944428H1  
 <400> 38434  
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 aacgacgagg cggccttcgc gaagagcgtg gacgagcagt tcggggtgct ggacctcaac 120  
 aacgacggcg tcctctcgcg ctccggagctc cgcacggcct tcgagtccat gcgcctcatc 180  
 gagacgcact tcggcatcga cgtcgccacg ccgcccgatc agctcgcgaa ctctacgact 240  
 ccattctcga caagttcgac g 261

<210> 38435  
 <211> 66  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944429H1  
 <400> 38435  
 ctcttattca taagttcatg caccataatc ataaatctca gaatatattt tatctcaa 60  
 atttat 66

<210> 38436  
 <211> 266  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944430H1

<400> 38436

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 agtaccceaa gccatttggg actggtagct agagtattgg acacaatggg gatgttggtt 120  
 aggttgagta cttctcttctc aacaccaatc acgaacacaa cttctcttctc tatggcaaaa 180  
 atgctgaaca atctaggtgt ctattatata gttacatgtc ttctgtgaga actatggcat 240  
 gcgagattct tgagttgctg gcagaa 266

<210> 38437

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944431H1

<400> 38437

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 tccaaattgc ttagtttcca aatggcagaa atccgagcac aaggatgaaa ctcgcaacag 120  
 ttacttgagc aagagaggaa ttgggcttgt cgctgtgtca ccctctgcgc gtgtcgtcgt 180  
 cggcgcccgc gccgatgcct tacccaaacg acaagatcta ctgattcacg gcctctgtgg 240  
 ccagatctgt ggtcttcacg gccagat 267

<210> 38438

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700944432H1

<400> 38438

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 gatattgagt tgaaagttct tgaattttga tttctttgtc aaaagttagt gtctgaaatg 180  
 cctaccagtg aaagctaatac tggatttctg tatatatattt taaattgaag cttacattag 240

ggtgacacta gattttgatg agaagtt

267

<210> 38439  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944434H1

<400> 38439

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cagctttgga accgttcttc tagacctcct cagtggcaag cacatccctc ccagtcgagc 120  
acttgatatg atacagggga caaacaatat gctcttaatg gattcacatt gagaggggaa 180  
gttttcaaca gaagaggcaa cggtagttgt taatcttgcc tctaaatgtg tgcaatatga 240  
accaaggag cggcctgata caaaggattt 270

<210> 38440  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944435H1

<400> 38440

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gcagcacgag tactgaaaga aaaaagcaat atggtggata gcactagtag tgatgctagt 120  
acagctcatc atagtgatcc gcatgatcac gtatttaagc caaaagaagg taaatataat 180  
gcaaacgaag tgttctcaat ggattacact ccagccagaa ggaagccgcc gatccacaat 240  
ttgaattgat ggataaattt tgtgccaca 269

<210> 38441  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944436H1

<400> 38441

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tgtctcagtg tctctcttca caacctcacc gatctgccat ttcacactca taacaacttt 120  
 gtacaatttg actcgatatg ttgaagtttc tctgcagcta aattgaccaa tagtttggtg 180  
 cacttagatc taaaagctag aaagatgtct tttattggca ctcaacaaaa gtgcgaggct 240  
 tgtgacaaaa cagtgtaccc cgttgat 267

<210> 38442  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944437H1

<400> 38442

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 accaaaacca aacctctct ctttacaccc cctccaaac cctcacact cccattttca 120  
 tgcttcaact cctccgtctc tctctccctc gccgcaccga ctacccgttc tccccttgta 180  
 actttctgtg cccaaacttc cgattgggct caacaagaag aagaacagag cctcgctgaa 240  
 accgaagcgg gcctggaaaag ttggga 266

<210> 38443  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944439H1

<400> 38443

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 gcaataggtg agcaccggct aaggtgggtg cctgagacaa caacaccatg ccaaagctcc 180  
 atagaagagt gcatggcaga aggtgagttt ggaatggatt cagagtccca ccggcgcat 240  
 ctagcgacct cacaatatat aa 262

<210> 38444  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944441H1

<400> 38444

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accctagaag tgcgagagctc cgacaccatc gacaacgtca aggctaagat ccaggacaag 120  
gaggggtatcc ccccgagacca gcagagggtg atcttcgccg gcaagcagct cgaggacgga 180  
cgtacccttg ctgactacaa catccagaag gagtcaactc tccacttggt gttgcgtctt 240  
cgtgggtgta tgcagatctt cgtc 264

<210> 38445

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700944442H1

<400> 38445

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attgcttact ttggaccagt acatccatcc tcttccaatt ctggtggaac tgtatcagaa 120  
gcttcaaact tcaaccattg gaatggctct gtgcccagtg acatgccaac ttcctacaca 180  
tttctgctg ttgatcttca ttatcgagct tgggaacacc actccccctcc tttctctaca 240  
gcaagtagtc gtctagttgc tg 262

<210> 38446

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944443H1

<400> 38446

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ctttagggtg tctgtcaa at tggctgatgg cttgtgtttg aaattgcttt tcttcaatcc 120  
tagtctcctt taggttggtt gttagtgttt tttgcttcat tgtttttcga tcttatttga 180  
aagtagcttt taaagcacat cacgttgatt agaagcatgt ttcttgaaaa ggggataaat 240  
atactatggt tgggta 256

<210> 38447  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944444H1

<400> 38447

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 aggcaagagc aatcataaga atctctagag aacaatgatg agaattattga agaagacttt 120  
 aaggtatcag atgcatgctt ctctttgata gattccctga agtgagtaac tgactgcact 180  
 tcccaggcac tattgatatc aaagatgggt acgtaaagt aggggatttt aatatctttg 240  
 acaaggtagc aatatgtcac tattttca 268

<210> 38448  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944445H1

<400> 38448

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 aggacttcaa gactgatctg cgtttccaga gccatgctgt gcttgattg caagaagctg 120  
 ctgaggcata ccttggttga ctctttgagg atactaatct gtgtgccatt cacgctaagc 180  
 gtgtaactat tatgccccaa gatatccagc tggcaagaag gattcgtggt gagcgtgctt 240  
 gatgtggtgg tgggtggtgg gg 262

<210> 38449  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944446H1

<400> 38449

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<210> 38450  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944417H1

<400> 38450

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 acacacacac acacacaaaa aaaaaacctt ggcaaaggat agaacaattg gtgtggctct 120  
 ggttttcccc aaaagcagca agaatcctct gaaatgggca cttgaaaatt tagccgataa 180  
 aggtgacccc atttatgtca tccacattaa ctccaactct ctagaccatt cccgaaacaa 240  
 gctatgggca aaatctgggt cccctct 267

<210> 38451  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944383H1

<400> 38451

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 atcagaccct gattcaggga aaggaaagag caagatgtca aagaacataa ctcatggctt 120  
 tcatttggtg aaaggaaaat catatcatga catggaggat tacgttgtgg ctcaatttag 180  
 gcaaatagat aacaatgaat tgggtttggt tgcaatattt gacggccatg cgggtcacia 240  
 cgtacctaata ta 252

<210> 38452  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944384H1

<400> 38452

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 gaatgtcagt tatattgggg taccctgaca attcagtga agtttttgtc aaaggagcag 120

acacatccat gcttaatgtg atagacaggt cattcaaaat ggacttagta agagccactg 180  
aagcacatct tcactcttac tcttccatgg gtttgaggac acttggttatt ggtatgagag 240  
acttgaat 248

<210> 38453  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944385H1

<400> 38453

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tgctgcattg gtgctggata tgtggggggg ccaacaatgg cagtcattgc tctgaagtgc 120  
ccctccattg aagtggctgt tgttgacatc tccaaatccc ggattgcagc atggaacagt 180  
gacaagttcc taatcatgag ccaggcctta atgggtgtggg gaagcatgtc gt 232

<210> 38454  
<211> 163  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944386H1

<400> 38454

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tccatcttta tcttaaacad aacttgaact ctccattcct taaatttttag ctacgagcta 120  
gttccgacac agacaaagca atggcaaaga ccgagttaga ggt 163

<210> 38455  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944387H1

<400> 38455

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ctatagaata tctttaaaac tagagtcata taggatgccca ccaagattgt aattaaattc 120



attccaaacc agttcaatcc ttttcagtca tctctttggc cacgttttca cagtaacata 60  
 acatattctg tggaaatatg gcaaaaacttg gagactgtgc agctcatttt tttattgcag 120  
 caatgggttt gagcacgttt tacgtgacca aaactgtggc acaatcagaa attgcaccca 180  
 catcgcaaat ggagactggc gcaggggttg ctttgtctgt ttctgggggt gacc 234

<210> 38459  
 <211> 134  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944392H1

<400> 38459

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 aaaacaaaa tcaaagttag gtcaacttag gtgaaccaca tgtaatacaa aaaacttttg 120  
 accaagtatc taag 134

<210> 38460  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944393H1

<400> 38460

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 tgatacttat gttggagcag ctgttgaatt ggccagaaca gtggaaaatg tggatgaatac 120  
 tgtgattgga ataaagatct aggaaacaaa caaatgggtg aaacagtttg 170

<210> 38461  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944394H1

<400> 38461

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 actggtggca gtgggaaggt tgtggacagt ggacctgatg atcatatatt tgtatactat 120

actgaccatg gaggtccagg ggtgctcggg atgcctgctg gtccttactt atatgcggat 180  
 gatctgattg aagtcttgaa gaaaa 205

<210> 38462  
 <211> 204  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944395H1

<400> 38462

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 caacaaaacc cttcccatcc taattaaggt gaaaatgaag gcatcaccca ttgcttggtt 120  
 cacttttggtg gttgtgtttc ttgtggctga agttcaagtt tcaatggcag tgacatgcag 180  
 cccagtgcag ctgagtgcaa gtgt 204

<210> 38463  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944401H1

<400> 38463

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 tgctgctccc atttggtgaa gaactttctc ttttcagttt tcaacttctc cctacactcg 120  
 tccaaagcct ctagtcccta ttccacgtgg caaaagtaga gactctgatt ctgagccgct 180  
 tctagaatct tccatcgtgc aagaagtttc attcgacgac gacgacgaag aagaattcct 240  
 tgacgaattt gaatacgatg aagcagcgga tggcg 275

<210> 38464  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944402H1

<400> 38464

ctagaatgga atttcgatgc tcagtcattc cttttaccat tctcttctct cttgctcttg 60



caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattgggaa gctgtttggc 120  
 caaacactcc cattcccact gcaactgagag agcttctaaa gcctctccct gcaggtgttg 180  
 aaatcgatga actccctaag caaattgatg atacacagta cccaaaaaca ttcttctata 240  
 aagaagacct tcatccaggc aaaacaatga 270

<210> 38465  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944403H1

<400> 38465

agaagagggt gcataactga acaaacaag caaccctatg tcgaagggtg tttgtgtcac 60  
 cggagccagt ggcgccagt gatcataggt ggcctctctc ctccaccagc gtggttatac 120  
 ggtccatgcc accgtccaag acatcaagga tgaaaatgag acgaaacatt tggaggaaat 180  
 ggaaggagca aagagtcgtc tccatttttt tgaaatggat cttcttgaca tcgactccat 240  
 tgccgctgcc ataaagggtt gctccggcg 269

<210> 38466  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944404H1

<400> 38466

aagagtgttt cttgggggga attacattgg tggagctgag gaaattcaga ggctgcatga 60  
 ggatgggaag cttgagaagc ttttggtttg ttgtgagaag attgaggaca gtgttgagg 120  
 tgatggagga gggggagtgt gtgaggcttg tggggatata aggtttgttc cttgtgaaac 180  
 atgttgatga agctgtaaaa ttactatac aggtgatgaa gaagatgaag aagaatatgt 240  
 tgatggtgaa gtgggggagt gtggat 266

<210> 38467  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944405H1

<400> 38467

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 ttagcgatgt agcattcaag gtgggaagga acatcgattg ggatggaatg gcgaacttct 120  
 ggtctccgat gaggctcgca gggagttctc caatctccgt cgcgctttcg acgaggttaa 180  
 ctcccaactc caaaccaagt ttagccagga acctgagccc attgattggg attactatag 240  
 aaaggggaatt ggcactcggt tggtgg 266

<210> 38468

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944406H1

<400> 38468

gtttctcttg gtttgtggag tgggtgtcaa ggtgcaccac aagtgccatg ctacttcatt 60  
 tttggtgatt ctttggttga taatgggaac aacaaccagc tccagtcttt ggctagggct 120  
 gattacttgc cttatgggat tgacttcctt ggtggacctt ctggaagggt ttccaatggg 180  
 aaaaccactg ttgatgcaat tgctgaactt ttgggattcg atgattacat acctccatat 240  
 gctgatgcta gtggcgatgc tata 264

<210> 38469

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700944408H1

<400> 38469

gagaaaaaga gagaggtaga gaaaagcgaa gagtctctct ctctctatct ctctctttca 60  
 atgtcagggc acaaattctc cacctactac ttcttcttct tcttcttctt aacctatctc 120  
 agaaggaaac gcgaaaaaag aaaaaaaaaa aagaggcaga aggttctaga agccgccaat 180  
 ttttatttct ttttaattgt ctgagtcaaa aacgtccggg attataacca tggattcttc 240  
 gtgtgtccca aacggcgacg tttctg 266

0953113-032200

<210> 38470  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944409H1

<400> 38470

gacgcgccgc tacatgaccg acatgataac ctacgccgac accgacgtcg taatcgtcgg 60  
agccgggtcg gcggggctct cctgtgcgta cgagatcagc aagaaccccg ccgtgagcgt 120  
cgccataatc gagcagtcgg tgagccccgg cggcggcgcg tggctcggcg gacaactctt 180  
ctccgccatg gtggttcgca agccggcgca cctcttctg gagcagctcg gcgtggcgta 240  
cgacgagcaa gaggactacg ttgt 264

<210> 38471  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944410H1

<400> 38471

tgtttctctc tcaactctca caacccatct ttcatatcca aattccaatg cttcttcttc 60  
cttcttattt caatttcaat cactactatt attactcttt cagcttttg cttctcgatt 120  
tttaaaccct aaatctatct atctgtctaa tagataagat agggcaaaaa caaaacaaaa 180  
caaaataaaa ccctagccaa agaaagacct tgttgagcag cagcagcaga gagagagagg 240  
cttatggaag gagtaccgca ccc 263

<210> 38472  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944413H1

<400> 38472

cacagcacta gatcatgggtg tcgtggctgt tgggtatggt acagctaag gtcattgatta 60  
ttggatcgta aggacttcat ggggtcctag ctggggagaa gatggctaca tcagggttaga 120

aagaaatctt gctaacagca gatcaggcaa gtgtggaatt gcaattgagc catcttatcc 180  
 ccttaagaat ggtccaaatc cacctaatacc tggaccatca ccccttcac ctgtgaagcc 240  
 accaaatgtc tgtgacaact acta 264

<210> 38473  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944414H1

<400> 38473

caaaagattt catcaaagta ccaatgacag atatgagaat gagagcagat ccagcatcag 60  
 gctaccctgg gagaacctac agattctaca ctgggtccaaa ggtctatgaa tttggctacg 120  
 gcctaagcta cacaaaatat tcctacaagc tcctctcact ctcacacagc accctccaca 180  
 tcaaccaatc atccacacat ttaatgactc aaaattccga aaccatacgc tacaagctgg 240  
 tttcggagtt ggcggaagaa acatgc 266

<210> 38474  
 <211> 203  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944382H1

<400> 38474

cttgagctct gcgagatctt gagtcgccga tttgaaaaga tgagtaagct tcagagtgat 60  
 gctttgcgtg aagccatctc aggaatcatg gccgattcca aggagaagaa tcgcaaattt 120  
 gtggagacca tcgaactcca aatcggtttg aagaactacg atccacagaa ggacaagcgt 180  
 ttcagtggct ccgtcaagtt gcc 203

<210> 38475  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944415H1

<400> 38475

cttgggagga gttcaaaaga cacagactag gcgctgccca aaattgctct gccactctta 60  
 acggcaacca caagctcact gatgctgttc ttcctccac gaaagactgg aggaaagaag 120  
 gaatagttag tgatgttaaa gatcaaggca gctgcggatc atgctggaca ttcagcacia 180  
 ctggggcttt agaagcagcc tatgcacaag catttgggaa gagtatctct ctttctgagc 240  
 agcagctagt ggattgtgct ggccg 265

<210> 38476  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944416H1

<400> 38476  
 accagtcaca gtgaaaattt agcaaatga tgagaatctc tgggagtata ttaaccattt 60  
 tggaggactt gctgtgtaca tatttttgct gctgagactg tgtgaagagg ccaaggcaag 120  
 tatcagacat ggtgtacttt tttcccttgt caagtttctt gtgacatagt aggcataagt 180  
 tagtttctcc ccaatctggt gtgctctttc tttgatcaag atctttgctc tacatgcatg 240  
 catgttctac taaactattc agaagtcta 269

<210> 38477  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944349H1

<400> 38477  
 ggaggagcac caaaggggtcc tcaactgaga gacattgatc gtggagcaga tattgtggta 60  
 gccactcctg gtcgcttgaa tgatattctt gagatgagaa gaattagtct taatcagggt 120  
 tcttacctgg tgctagatga ggcagacagg atgctggata tgggttttgg aacctcaa 180  
 taggaaaatt gtgaatgagg tgcccaatcg caggcaaact ctaatgttta ctgcaacatg 240  
 gccaaaggag gttaggaaaa tt 262

<210> 38478  
 <211> 251  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944350H1

<400> 38478

ttgtttgttg ttgtaactcg ttctttctct tttgttggtc tgtgtttgtg tttgtttttt 60  
 ctctcacctg aaaatgtctt gctgcggtgg taactgtggt tgcggaagct cctgcaagtg 120  
 cggcaacggc tgcggaggct gcaagatgta cccagacttg agctacactg agtcaaccac 180  
 caccgagacc ttggtcatgg gaatggcact gttaaggctt catttgaagg ttgctgaaat 240  
 ggggtgtgcc g 251

<210> 38479

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944352H1

<400> 38479

gagagagtgc atttcaatcc acatcgggtca ggccgttatt caggtcggaa acgcctgctg 60  
 ggagctctac tgctcgaac acggcattca gcctgatggg cagatgccaa gtgataagac 120  
 tgttggtgga ggtgatgacg ctttcaacac cttcttcagt gaaactgggg ctggaaagca 180  
 cgtgcctcgt gcgatttttg tagatctcga gcctactgtt gatttgtgaa gttaggactc 240  
 ggacataccg 250

<210> 38480

<211> 252

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944354H1

<400> 38480

ggacgaacct atattggaga aagccattgg gtcggaaatt gaatggtacc cgggaaaatg 60  
 tttgacttag aaagttttga agataaagcc taagacgggt tcaaagaatg ctagaccaat 120  
 taccaaaacc gagagctgtg aaagtctct tcaatttttt caaaccacca gaagtccttg 180  
 aggatgatga gtctangatg aagatttggc tgaggaactt cagaatcaga tggaacaaga 240

ttatgacatt gg

252

<210> 38481  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944355H1

<400> 38481

gttgtaactc gttcttcttc ttttggtgtt ctgtgtttgt gtttgttttt tctctcacct 60  
gaaaatgtct tgctgcggtg gtaactgtgg ttgcggaagc tcctgcaagt gcggcaacgg 120  
ctgcggaggc tgcaagatgt acccagactt gagctacact gagtcaacca ccaccgagac 180  
cttggtcatg ggagtggcac ctgttaaggc tcaatttgag ggtgctgaaa tgggtgtgcc 240  
cgctgagaac gatgg 255

<210> 38482  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944356H1

<400> 38482

tctcgagccg aatcggctcg agattcggat acatcttcca gagttactct caagtcttaa 60  
cacggtggtc ttccttgatg aacacattgt ggtacaaact gatctttcac ctctgtggga 120  
cattgacttg aatggaaaag tcaatggagc agtaaaaaca tgcagtggag aagataagtt 180  
tgtgatgtca aagaggtgaa aagctattta aattctccca ccctttaata tccaaatctt 240  
gatcccaatg 250

<210> 38483  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944357H1

<400> 38483

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tatagccctt tgagatacta tggacttgac aagcctggtc tgaatcttgg tgtggttggt 120  
 cttggtggac tttgtcacat ggctgtcaag tttgccaaag ctcttggagc taatgtcaca 180  
 gtgattagca catctcctaa caataagaag gaagccattg agaacatag 229

<210> 38484  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944358H1

<400> 38484

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 gacggctaca cgggtcccaca ggggacacag atcctcatca acgagtgggc cataggaagg 120  
 aacccggcca tatgggaaga cgcacatagg ttctcgccag aaagattctt ggactctgac 180  
 atagacgtca agggtcgcca cttcaagctc acgccgttcg ggagcgggaag acgaa 235

<210> 38485  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944359H1

<400> 38485

aaagtatttc ttgtcttcga atatgtacca aatggcacgc tcaggaattg gatctctgat 60  
 gagcatgcta gaaaatcctt gagttggact caacacatag gagctgcaat tggagtggca 120  
 aaaggaatcc agtttttgca tacagggatt gtccctgggtg tatattccaa tgatctgaag 180  
 atagaagatg ttttattcga tcagaatctt gttgcaaaa 219

<210> 38486  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944362H1

<400> 38486

acacgctctt gtggaatatg agactatgga ggctgctgag aaagcagtgg ctatgttaaa 60



taatgaacaa gactggagaa atggcatgcg ggttaaactt ctcaagggaa tggggaagta 120  
 tggacacaaa aaacaagctt ggaaaggaca tcattctgag aagaatagct caaggcctga 180  
 acaaacagga gatgaggaga atcatggctc taatgatcat catgaagata cccatgagga 240  
 agaagat 247

<210> 38487  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944363H1

<400> 38487

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 tcttgggtctt gcgagagaaa gccatgccag agacgaagat ttttggcatg ctgtttggcc 120  
 aaacactccc attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga 180  
 aatcgatgat caccctatgc aaattgaaga aacacagtac ccgaaaacct tcttctataa 240  
 agaagacctt 250

<210> 38488  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944364H1

<400> 38488

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 ttctcatct ctacgaaaag cagctttaag ggctctgtct aagatgttaa ctgttgatga 120  
 gctattttat ttgagggagc agtttgcact tttagagcca agcaaaaatg gcactattag 180  
 cttggaaaat atcaaagcgg tcttgatggt aaatgcaaca gatgctatga aggagtcaag 240  
 ccatactgac ttt 253

<210> 38489  
 <211> 145  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944365H1

<400> 38489

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ctcttcaggc aaaaaaaaaa atggaggatt cgttggagaa ttggatttca ctgttgga 120  
tggaagatta tcatgatggg tcatt 145

<210> 38490

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944366H1

<400> 38490

acagaataat gaaaattttg attgtaactg tgaagactat gtggggtctg aaaggctgaa 60  
gttcaaattt gatggtagtt tcaagcggac tttcccttca gaagacaatt cctccagcag 120  
tccagattca tcaaaaagtt ttggtgagac acaattagat ttatttcacc atcgccatgg 180  
cttggtgata ttgcatcttg ttgcaacgat gatgtttgcc ccatccgttg tagcttggat 240  
ccagaggttg gcgtgg 256

<210> 38491

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700944367H1

<400> 38491

caccgcccct cgtttcttca cactctgccg tgetctttcg gcgcaggtca agagattcgc 60  
aatagaaagt gagaaaaaaaa aatgagtcga ggaagtgcga ctgctgcgaa gggcaagaag 120  
aatagagcga cattcaccat tgattgcgcg aaccggtgga ggacaagatc atggacattg 180  
cgtctctcga gaagttcctt caagagaggt ttaagggttg tg 223

<210> 38492

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944368H1

<400> 38492

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 cagacgtctg atgtactcta cttaacagtt gagctgcctg atgctcagga tgtaagctc 120  
 aaactggagc cagaaggaaa attttacttc tctgcaactg ctgggtgcaga gaaaattcct 180  
 tatgaggttg acattgatct gtttgacaag attgatgtaa ataatagcaa agctagtgtt 240  
 ggttcaagaa acat 254

<210> 38493

<211> 193

<212> DNA

<213> Glycine max

<223> Clone ID: 700944369H1

<400> 38493

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 ttttcagaac tcaaagcagg ttactttaac tccctaggag ataggcaaca aaaagcactg 120  
 atacagtatc atgttcttcc cgtttatgtt tgtcagctcc aactttgatg ctctgagcaa 180  
 ccctgtgctg aca 193

<210> 38494

<211> 188

<212> DNA

<213> Glycine max

<223> Clone ID: 700944370H1

<400> 38494

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 cccgctggag tgcataaggc attagagtta attgcctccc acctaaggaa gtttttagtt 120  
 gatcgcggtg taattccaat ttttgaaatg aatatgcaac agccaatccc caccatgcag 180  
 agcacatg 188

<210> 38495

<211> 252

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944371H1  
  
 <400> 38495  
  
 gttgatgcta ataaaagaga aaaaccacat cagaactttc agccagaagg tttttactta 60  
 aattctgaag agcataaagg atttggagat cttttttcta acaatggagg ttttacacag 120  
 gatattctgt atggccttgg ggaacttgat ttgtggttgc tacccttgcg tttatctgat 180  
 gaccacagtt ttgaggagtt catgtatttg caaggaaatc agcctaataga ctattacaaa 240  
 aatgcagtga aa 252

<210> 38496  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700944372H1  
  
 <400> 38496  
  
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 taaccgtgca aaaacggcat gaaatttgaa atgaaacgag tggaatgcga gccgagcaat 120  
 gtacatgtac ttttcaattt cattttcaac ctctgttctc ataaacccta gaaaaattca 180  
 aactcttggg attccatcaa caacgatgag agangnatgc aaaaaatgca cttttgtgaa 240  
 ccccccttct ca 252

<210> 38497  
 <211> 204  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944373H1  
  
 <400> 38497  
  
 ctcgagccgg gctggttcaa ctgaggtgat ggctttgaat ttgccttctc ccgccaagt 60  
 gaagccctta tttttctctt caaataactc cacaaaactt ccaggtcact gttctgtgaa 120  
 gatggtagat agtgacacaa cagtagagag cacgattgta ttgctctgcc gctgctcaag 180

caccagcacc agcatggcca ggaa

204

<210> 38498

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700944375H1

<400> 38498

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taagtaatca tgggtaagga aaagggtcac atcaacattg tcgtcattgg acatgtcgac 120

tctgggaagt caactaccac ttggtcactt gatctacaag cttggaggta ttgacaagcg 180

tgtg 184

<210> 38499

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 700944376H1

<400> 38499

ggatttttcg agcaatattc tctctctgtc acttcacctc acacgatctc gttccgattg 60

cacgcgtttt aatga 75

<210> 38500

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 700944377H1

<400> 38500

ccgaatccct tatcaagcag gggtttcgcg gcccgagacc atgtcaaacc gagacggtga 60

cactggctga gtggaatttc cgccgccatt cgaagctaca gcgatggcca tagccgccac 120

catttcggtt cctctcacat cccccaccg ccgcactctc gttccgtca atagcct 177

<210> 38501

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944348H1

<400> 38501

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 cggagccagt ggcgccgttg gatcattggt ggccctctc ctcctccagc gtggttatac 120  
 ggtccatgcc accgtccaag acatcaagga tgaaaatgag acgaaacatt tggaggaaat 180  
 ggaaggagca aagagtcgtc tccatTTTTT tgaaatggat cttcttgaca tcgactccat 240  
 tgccgctgcc a 251

<210> 38502

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700944378H1

<400> 38502

cagcgctcct gaatctttcc atatacgaag atagcaaagg aagtattggt tcttcaggag 60  
 cagttccagg tatagttcat gtgctgaaga aggaagcat ggaagctcgg gaaaatgcag 120  
 ctgcaacact tttcagcctt tcagttatag atgaaaacaa gggtacaatt ggggtctttag 180  
 gagccatacc accactgggtg acactgctaa gtgagggtag ccaaaggggt aagaaagatg 240  
 ctgc 244

<210> 38503

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: 700944379H1

<400> 38503

cccgtcgtag cagaaaaact tgtcaccatg gtttcttccg acaaggatcc acgagaggat 60  
 gtccttcaag cctgggtacat ggatgatagt gatgaagatc aaagactccc ccaccacaaa 120  
 gaacccaagg agtttgtctc gttggaccaa cttgctgaac ttggagtcct tagctggaaa 180  
 ctag 184

<210> 38504  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944380H1

<400> 38504

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 tcatgctaaa aaggcaaaca agtacattat tatggaagtt accaagcgca acatagcacc 120  
 atgtagcaaa aactgcctac cgccagcacc aaatccttac aacagaggat gctccaggat 180  
 atgcaaatgc agaaaatgaa gtcttcagtt cgttcaatgg gaagaataag gaaatcatat 240  
 acctatattt 249

<210> 38505  
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<223> Clone ID: 700944311H1

<400> 38505

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 aaacatggaa aggatcatga aagctcaagc cctaaggagc aacagcatgg caggatacat 180  
 gtcaagcaag aagcaatgga gatcaaccct gagaa 215

<210> 38506  
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<223> Clone ID: 700944312H1

<400> 38506

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 gcatgtatct actaagtgca gggctctgatt ctagattgag gttgtgggat gttgaatcta 120  
 gctgcaacac acttgtgaac tttgaaacag ttcgtctgca aa 162

<210> 38507  
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<223> Clone ID: 700944313H1

<400> 38507

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 tgctaaacac ttcatatata ttactgggtg g 151

<210> 38508  
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 <213> Glycine max

<223> Clone ID: 700944315H1

<400> 38508

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 ctcttcttga tcaattccac ctcagcggca gccggaggcg gcagaagaaa gctccgtttt 180  
 gacatgtcaa gtggcgggtgc accattggcc ggaaccccca caggggccac tggctctggc 240  
 catggtgcaa actgggacta ca 262

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<223> Clone ID: 700944317H1

<400> 38509

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<210> 38510  
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 <212> DNA



<213> Glycine max  
 <223> Clone ID: 700944318H1  
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 cagcaagaga cccttcaggg attctctccc catacaccta caatctaaga aacacaggcc 180  
 ctgatgatgt ttacattaaa gttcactact gtggaatttg ccattctgat ctccaccaga 240  
 ttaaaaatga tcttggcatg tccaactat 269

<210> 38511  
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 <213> Glycine max  
 <223> Clone ID: 700944319H1  
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<210> 38512  
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 <213> Glycine max  
 <223> Clone ID: 700944320H1  
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 gacactgcgg gtcaggaacg tttccggaca atcactagca gctactatcg tggggctcat 120  
 ggcattattg ttgtttatga tgtcactgac caagagagct tcaacaatgt taagcagtgg 180  
 ctgaatgaaa ttgaccgtta tgcaagtga aatgttaaca agcttctagt tggaacaag 240  
 tgtgatctta cggcaaataa agttg 265

<210> 38513  
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<213> Glycine max

<223> Clone ID: 700944322H1

<400> 38513

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ttccatcatt gaggcgtttc caatctaacg aagaggaagc cactacactt catgtgcgtg 180  
gttttatgtt gcatgtgttg atattattat taacagctat gtgatcttcg tgtgatgtgg 240  
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<210> 38514

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944324H1

<400> 38514

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gaagtggatc cttcgcgaca cgaaaatgac cctagcacc ctaggtgctgc tggagaacca 180  
ccaattcac ctgaaccctg cgcactacat cgtgagatta ttagagaagg cacaaaaaat 240  
ggcatgcttt cttt 254

<210> 38515

<211> 216

<212> DNA

<213> Glycine max

<223> Clone ID: 700944325H1

<400> 38515

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accaaggccc ctctggttcc accgggtaca ccagtggatga atgcgttgct aaagcagcga 180  
gctatgctgg aaaacatcct gagggcttgt gttgga 216

<210> 38516  
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 <213> Glycine max

<223> Clone ID: 700944326H1

<400> 38516

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 acttgtgttc ttagtggaata actctatgta tactatcccg atgatgcaag gaatgttggc 180  
 gttgttttca ataacatcta tgagttgagt ggtttaatta ccaatgacca atattactct 240  
 gctgattctc tctccga 257

<210> 38517  
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 <213> Glycine max

<223> Clone ID: 700944327H1

<400> 38517

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 tgcagattgc ccttaacctc aagggtctag attatgaggt tgttgaagag accttgaatc 180  
 ccaa 184

<210> 38518  
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 <212> DNA  
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<223> Clone ID: 700944328H1

<400> 38518

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cttctcagaa acattacaaa

200

<210> 38519  
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<223> Clone ID: 700944329H1

<400> 38519

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 tcaacagtag caaccttccc caaagagggg taggagttag caaagttttg actcattttg 120  
 gtggcattga gaggaagag aagtttggtc caaccttgaa aacattggat g 171

<210> 38520  
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<223> Clone ID: 700944330H1

<400> 38520

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 gaatcaatat tacaattcaa aaggtatggt agaaagtgat ccagaaggtg cgcttgctgg 180  
 ttttgctcag gtagtgcaaa tggagcaaga aaaagcagaa tggggattta aagctctaaa 240  
 acagactgtc aagctat 257

<210> 38521  
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 <213> Glycine max

<223> Clone ID: 700944331H1

<400> 38521

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 atgctctgct ttcattcacc cttggtgtga aacagatgat ttgctgctgt aacaaaatgg 180

atgctactac acccaagtat tccaaggcca ggtatgatgg

220

<210> 38522

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700944332H1

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tccttgggaa cctgcaacat tagtgggaaa ttcgatccag aaaactgtgg agctgattgt 120

aacaacttac caggcttcgg cattgcttct atttaattcc tcagatagac tgagttattc 180

ggagataatg tctcagttaa acttatctga tgacgatgtt attagactgc tccactcctt 240

gtcatgtgcc aagtacaaga t 261

<210> 38523

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700944333H1

<400> 38523

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ataaggatta taggagattt gtgattgata ggtctgcgaa ttgttcactt agtgttgtta 120

gcattgggga gtaccatact ggtgtcaatg caaggaagag gaagaagcat cagaaagctg 180

ggttagagaa gacgccactg gatatgtacc aggcgaacac gttacctgtt gttggagaga 240

ttgttaatga cagcctccct gt 262

<210> 38524

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700944334H1

<400> 38524

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acacagttgt caactccaac agtccccaag aggttgaaga gggcaaggaa attatcttca 120  
 catatgatgt tgaattccag gagagtgcg tgaagtgggc ttcaagatgg gatgcttatt 180  
 tgctaataaa tgatgatcaa atccactggg tctctattgt taactcatta ctgattgttc 240  
 tcttcctttc cggcatgggg gaat 264

<210> 38525  
 <211> 135  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944335H1  
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 atggacagac cacta 135

<210> 38526  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944336H1  
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 acaaccgttg cctggacctg gacctggacc tggaccacac aatccttcg gaaatgtaaa 120  
 ctacatcgag gcaccaaagg ctgctcctag tggttcttgg gacaacgttt ggggaaatga 180  
 cgcaaataaa tgatacagta tggtgttctg ctaaaagagt ttgtccaaat acattgaaaa 240  
 gaagaaaaaa acagctgcat 260

<210> 38527  
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 <223> Clone ID: 700944337H1  
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 atagacaaca aaacacaaaa caccgtagaa gagaatctaa acggtttaac cttgttcttt 120  
 ttaaaatatt tcc 133

<210> 38528  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944338H1

<400> 38528

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 aggctgtgtg ttggggctgt tataaaacttt tgctcatctt atttggtagg agcaccagtgt 180  
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 gcagcacaga tcgcatg 257

<210> 38529  
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<223> Clone ID: 700944310H1

<400> 38529

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 tttcggtgaa agggatcaaa ggccgtttga accgtcttcc ctccggcctgc gttggcgaca 180  
 tggatgatggc caccgtgaag aagggaacac cgatctgagg aagaaggtct tgccagctgt 240  
 catcgttcgc cagcgc 256

<210> 38530  
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 <213> Glycine max

<223> Clone ID: 700944340H1

<400> 38530

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atgcaccagc tgaatagact ttcaagcttg cggatgctgg aatgcggaca ccataaaggc 120  
gacttaaagt gattcgtcac ttacgtaata cgcgggtcctg gaattagagt acctccagct 180  
atagtcacgg 190

<210> 38531

<211> 114

<212> DNA

<213> Glycine max

<223> Clone ID: 700944341H1

<400> 38531

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ggagttgata taatttccat ttcaaccgga cttgctagta tagtgtgcat tccg 114

<210> 38532

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944342H1

<400> 38532

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cagatcctcc tctcttctt catcaagggt ctggccatcc tgccaccaag ccataatcct 180  
ctcttttaga gtcaccacca ccaaaattat caatgaggaa gtctataacg acgacatcaa 240  
cgctgtcagc g 251

<210> 38533

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700944343H1

<400> 38533



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 atgatgccat atcatcgata ttgatctcct tagccatcag catcccaagt gtccaacctt 120  
 aagatc 126

<210> 38534  
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<223> Clone ID: 700944344H1

<400> 38534

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 ttgccaatag ctttgatttt caccgacaagg atttggtgtc cgaggaaagc ctgtgggact 120  
 tgtacgatag attga 135

<210> 38535  
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 <212> DNA  
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<223> Clone ID: 700944275H1

<400> 38535

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 gctgctcagc tttaggacat cagttgttag ttctgatggt atcctattac agtggaggcc 120  
 agaggatcct gacccatgta aatggaaagg agtgaaatgt gatctgaaaa ccaaaagagt 180  
 aacacatctg agtctatctc accataagtt aagtgggtct atatcacctg accttgggaa 240  
 gctagag 247

<210> 38536  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944277H1

<400> 38536

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ttcatactat tctatggtaa tgaaccatca atggcagggg aagaccctgc taaggtcatt 120  
 agagaggcac ttgcgcaaac tcttggtttt tactaccctt ttgcgggtag gattagggag 180  
 ggactcgtaa aaatttgggg ggggtt 206

<210> 38537  
 <211> 244  
 <212> DNA  
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<223> Clone ID: 700944278H1

<400> 38537

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 ctggtggggg gatgacagtc ttgatcccca ggaacactac tatcccaaca aagaaagaac 120  
 aggttttctc aacctattct gacaaccagc ctggtgtgtg gaccaggtt tatgaggggtg 180  
 agagaacaag gtctagagat aacaacttgt tgggcaaatt tgaactttct ggcattctc 240  
 cagc 244

<210> 38538  
 <211> 177  
 <212> DNA  
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<223> Clone ID: 700944279H1

<400> 38538

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 tgagagaact ttgggcaaca ggatggatac acaacagaat aagagtaata gtttccagtt 120  
 ttgctgtgaa aatgttgcta cttccctaaa aggggggaat gaaatatttc tgggaca 177

<210> 38539  
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 <212> DNA  
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<223> Clone ID: 700944281H1

<400> 38539

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gcatatcaaa agcctcaggt tggaaaggag aagaaaacaa agtaatcgaa ttacattgcg 120  
 tcgtgtatat ctcttcatcc tggccaactc tcagcagaca cagaatttgg tcagtcttca 180  
 atcgaacttt accttggttc aagtttcaac tactg 215

<210> 38540  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944282H1

<400> 38540

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 tcgtggtctg ggtcgtcaat ttcaggggtg gcttggttg ggattctgat aacaagtccc 180  
 tcattctcaa cattcatcca gttcttattg ttattggctt actagttcat ggggggtgaag 240  
 ctattataa 249

<210> 38541  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944283H1

<400> 38541

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 tgatgtcaaa aggcacacag tatacacaac aatcatacaa agtaagtgcac tcattcccat 120  
 tcaaatggat aaacaagaag tggagagaag gttttcatgt gacctcaatg gccactgctg 180  
 gaagtcgttg ggggtgttgtt atgtcgcgaa atgccggatt cagtgatcag gttgttgaac 240  
 ttgattt 247

<210> 38542  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944284H1

<400> 38542

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ccaacaaggt ggactttata ttcaacaagt tttctgtcaa acccgggtca gaggaggctc 180

agatcatgaa gaatactatt agtgagtgtg aagagggtgg aatcaaagga gaggaaaagt 240

actgtgc 247

<210> 38543

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944285H1

<400> 38543

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acatgcttga cattcctccg gcagcagagt ccttgaatgg ggtaaaatg gaattggtgg 120

atgctgcatt ccctcttctt aaaggtgttg ttgccacaac tgatgtggtt gaggcattgca 180

ctgggggtcaa tattgccgtg atggttggtg gattcccaag aaaagaaggt atggagagga 240

aggatgt 247

<210> 38544

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700944288H1

<400> 38544

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gaaagtgtga gtatcgccgc cgtagcccta ccctctcttc atattattct attgcctttc 120

tttaactccc tcactttttc agttttgaag cgcttccagt ggcgtattta cggttatacc 180

cttcttggtta tgatagcttc caatcggcgt cagcactagg ccgaagctct tggcttccac 240

acatattt 248

<210> 38545

<211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944289H1

<400> 38545

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 ggccctgcac gtgttgaaat cgatgatcac cctatgcaaa ttgaagaaac acagtaccgc 180  
 aaaaccttct tctataaaga agaccttcat ccaggcaaaa caatgaaagt acaattcagc 240  
 aag 243

<210> 38546  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944290H1

<400> 38546

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 ggtgcagatc tcaaggggga tctgaggtga gggttttgatt ggggaggagg ggacaagacg 180  
 cctccttttt aggggttttct gcaatggcca cgcactttcc atttcccctc tccgctgctc 240  
 aggtt 245

<210> 38547  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944291H1

<400> 38547

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 aatattatg atattctcgg gatttccaaa aatgccagtg aagatgaaat caagaaggcc 180

tatagaaagg cggctatgaa gaaccatcca gataggggga tgagctcctg aaatgttttag 240

<210> 38548  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944292H1

<400> 38548

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 gcaacgctgc cagtgccttat ggtgctttta gcaatgcgat acaggctata attgaggaga 180  
 ctgatggtgc aatcacaaac caagaacttg ttcaaagggc aagagagaag ctgaaga 237

<210> 38549  
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<223> Clone ID: 700944293H1

<400> 38549

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 tgtgaagctg tagtggttaa catgcctatt ggctctttct caaattaccc atcatatcta 180  
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<210> 38550  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944294H1

<400> 38550

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acaaagtcgt ttgggtgagg ggttcttccg ggggcctggg gcaatatttc tgcaccccc 180  
caaaaagggg gtt 193

<210> 38551  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944296H1

<400> 38551

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gtggcaaccc atgctgcttt accccctgaa gtttactgga agtcgggggt tcctattag 179

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944301H1

<400> 38552

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ctccagttaa acctctgtt ccggttcacc ctccagttaa acctctgtt ccggttcacc 180  
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acctctgtt taaaccccggt ttgttcggt tcacc 275

<210> 38553  
<211> 180  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944302H1

<400> 38553

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acggcgatgg ttgcattact accaaggaac ttgggactgt tatgagggtca cttgggtcaaa 120

acccaactga ggcagaactg caggatatga taaacgaggt tgatgctgat ggcaacggaa 180

<210> 38554  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944303H1

<400> 38554

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ttctctatct gaagaagaag aagttctgaa gaagcatgtg tggaggtgct atcatctca 119

<210> 38555  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944304H1

<400> 38555

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gctgaatttc atgctaatag ggtattttca aggggcacca atgcatcttt cattgctttg 180

atcccaaagg tgaaggatcc acatcatctt aatgaatata gacctatctc attaataggc 240

tgtgtttata agattgtggc taaact 266

<210> 38556  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944305H1

<400> 38556

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acggagttag aaacctccac gccctggcca agaccaccgt ggatcgccgg acggcgtgca 180

attgcctgaa aacctttgcc agaggtcttg gtaggggtgt caatgccaac aacgcagctg 240



cacttccaag aaaatgtaga gtcaacat

268

<210> 38557  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944306H1

<400> 38557

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tatcgagtat gctaaaaagc ataataatacc tgttcctgtg acaaagaaat ccatttatag 120  
cagggatagg aatcttttggc acctaagcca tgagggtgat attttggaag acccagctaa 180  
tgagcctaaa aaggacatgt acatgatgtc tgtagacgct gaggatgctc ctgatgaagc 240  
agaatatgtg gaatttgaga tagagt 266

<210> 38558  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944307H1

<400> 38558

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cttgttatga acttctacaa ggaatcatgc cctcaggctg aagacatcat caaagaacaa 180  
gtcaagcttc tctacaagcg ccacaagaac actgctttct cctggctcag aaacatcttc 240  
catgactgtg ctgttcagag ttgtga 266

<210> 38559  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944308H1

<400> 38559

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 gcgcggcgag ttccctggcc ccgaagatcg gtcccctcgg tctctcccc aagaagatcg 180  
 gagaagacat cgccaaagaa accgccaagg actggaaggg cctccgcgtc accgtcaagc 240  
 tcaccgttca gaatcgtcag gcg 263

<210> 38560  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944309H1

<400> 38560

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 cgctggcagc tctacttcaa cgagatcaaa gataccgata agctcgttgt gatagatttc 120  
 tcggcgctcg ggtgcggtcc ttgcaaattc atagagccag cgattcacgc catgcgcgac 180  
 aagttcaacg acgttgactt cgtcaagatc gacg 214

<210> 38561  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944274H1

<400> 38561

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 ctccctcgcg tagatcggca atggcggaga ccgagacgtt tgctttccag gctgagatca 180  
 accagtcct cagtctcatc atcaaacact tctactccaa caaggaaatc ttccttcgtg 240  
 aactc 245

<210> 38562  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944243H1

<400> 38562

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 ttgaccgtaa caagggtgca ctccgattgg aggtgttatg tgacagcaaa ggtgacaaca 120  
 tctgccccgc tgatggtggt ggtgtctata accctgggtt ctggggcatg aatattgagc 180  
 aagggaagaa atacaaagtg gtcttctatg ttcgttcaac tgaatcactt aatctaacag 240  
 tttcattaa 249

<210> 38563

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944244H1

<400> 38563

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 aagttcattc cacaccaaatt cggaggcgct caaaacgcgc cgcttcgatt cgggtctccat 120  
 ggagtcaaga gcgacatcgt tggttctcac cctcttcaat cttcactcca atctacaagg 180  
 agaatggatg aagcgatgaa gaggcaatgc aaagttaacc tgtacggaac tgcttttccc 240  
 atgaaggagg 250

<210> 38564

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944245H1

<400> 38564

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 ctctctctac aaagagtgtg tgtgagagag agaaggattt ggaatttttg ataactagag 180  
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 tccaacaat 249

<210> 38565

<211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944246H1

<400> 38565

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 agatgggtgg cattgcattt ggacgctttg atgattcttt cagtttaacc tcaatcaagg 120  
 cctatattgc tgagttccat tcaaccttgc tctttgtttt tgccggtggt ggttcagcca 180  
 tagcctatgg taagttgaca tcagatgcag cacttgatcc tgctgggtta ctggcagttg 240  
 ctatttgc 248

<210> 38566  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944247H1

<400> 38566

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 tctgtatgga tctgaaccag atctacacgc cgatgggtggt tttggcctg 169

<210> 38567  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944248H1

<400> 38567

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 acaggaagcc ttcacaaaaa gccccacact ggtaggtca aaccaagacc taaaagaaga 120  
 gttcgaagaa gcttccaacg gtggaattca gagccttgct ttgggtgctt tggacaacag 180  
 tttcttggtg agtgataatg ggattcaggt tgtgaagaat ttcgcacatg ggattcatgg 240  
 gaagggtgct 250

<210> 38568  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944249H1

<400> 38568

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tcgcgcggcc tcatcggcct cggtgccac cccatctcct tcgtccaaca taccgcgcgc 180  
gtatatcgta aaatcttctc ctactgcctc cccgccacct ccagctccac cggccgcctc 240  
ctcttcgaca ccacc 255

<210> 38569  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944250H1

<400> 38569

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gcctcttctc cttgccctga tctcttctt cactcttctt ggaacctctc acgcagggtg 120  
catagccatc tactgggggc aaaatggtaa cgagggcacc ctctcagaag catgtgcaac 180  
aggcaaatac acccacataa acatagcctt tctcaacaaa ttccggcaatg gccaaacccc 240  
agaaatgaac ctggc 255

<210> 38570  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944252H1

<400> 38570

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ggagcgtctg gacgccgatg acatcgaggc cctccgcgag cgccgcctcc agcagatgaa 120

gaagatggcg gagaagcgct cccgctggat ctccctcggc cactccgaat attccgagat 180  
 tccctccgag aaagacttct tccccgtcgt caaggccagc gaacgcgtcg tctgccactt 240  
 ctaccgcg 248

<210> 38571  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944253H1

<400> 38571

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 accacaactc cattgttaat ggtgcacgag gatcaggagc aacaattcgc gtttttcaac 180  
 ataacgagcc atctcatcta gaagaagtgt tgagagaaca aattgctgag ggacaaccta 240  
 ggacacata 249

<210> 38572  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944255H1

<400> 38572

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 tccaagagtc tcatgcatgc tactttctct ctcttctcgg agaatgcagc gtgtggtcga 180  
 ttgttgctag atcagcacat aactgtaact gggtatatat ctacttgca c 231

<210> 38573  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944257H1

<400> 38573

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 acaa 124

<210> 38574  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944258H1  
 <400> 38574

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 gcgcaactga agcagtttcg ggggcaacag aaatcgaacg ggttctctc gccggcgggcg 120  
 atggatacac acgcggctgc tccgccaccg ccgccaaagg aaccctttat tcggcgctac 180  
 aagttcgttt ggctgtgtt tttggctgtg aatctcgggtg tcggagctta tttgtttatg 240  
 gggacaaa 248

<210> 38575  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944260H1  
 <400> 38575

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 aagttcaaga tgccggagaa atccatacca aaagatgctg cttatcagat aataaacgat 180  
 gagttgatgt tggatggtgc accaaggctc aacttggcct cgtttgtgac cacttggatg 240  
 gagcc 245

<210> 38576  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944261H1

<400> 38576  
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accatgaaaa tttatgtgta aataacgggtg acaggctccc aaattctgag gtttcagagg 180  
catgtgaaat ggttgacatt tcagcaaact catctactgc cagtcaacat tcaatatttt 240  
ctgttc 246

<210> 38577  
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<223> Clone ID: 700944262H1

<400> 38577  
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ttgattcaga atgtggaact ttgcatctag tgtaatggct gaaagtttgg gtccaataat 180  
ggatgcggga aaacccaact caccct 206

<210> 38578  
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<212> DNA  
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<223> Clone ID: 700944263H1

<400> 38578  
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gctgaagccc ctaaagcccc agcaaaactg g 151

<210> 38579  
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<212> DNA  
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<223> Clone ID: 700944265H1



<400> 38579

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agcaaagtga tcattcagag aatagaagcc tgatcaggtt gaatgtacac tcacagcaa 180

catcaaggat agaacattca ctcttcttcc agaatgccaa tcccttctga gaggcagatg 240

ttccttcaaa c 251

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<212> DNA

<213> Glycine max

<223> Clone ID: 700944266H1

<400> 38580

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tggagtgatg ctcaagtgtg ttgtgtgtca gtgttttagg gaccaatggt ggagagtgag 120

ttttctgagt taagatataa gatatatgct atctaagcc tagtgggata taggaaagga 180

cctcaaactc gctatctttc gttcacatac gcatcatatt cttttaattg ttagttctga 240

gttctgacca aa 252

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<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700944267H1

<400> 38581

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gtgggagcac gtggtcggaa tggggttggg cgcggtgttt gtgaaccagc ttctgaaatg 180

ggaggcccaa gtggagcaag acctcgacaa gatgctcgaa aaggccaagg ccgccaacga 240

aagacgtt 248

<210> 38582

<211> 157  
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<223> Clone ID: 700944268H1

<400> 38582

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 tattataata agtctatgta tttaaacggt tgagact 157

<210> 38583  
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<223> Clone ID: 700944269H1

<400> 38583

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 gtcgctatcg gcgtctcgt cctcggcgcc gcctggggga tctacatcac cggaagcagc 180  
 ttgatcggcg ctgcaatcag ggctcctcga atcacttcca aaaatctcat tagtgtaatc 240  
 ttctgtgaa 249

<210> 38584  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944270H1

<400> 38584

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 actttcgatt gttgtcagac attcaacatg aaaattatag tttgctgaac tggttatgat 180  
 ttcacaaagg tttttgaaaa aattagcttc aaaaaaaaaa aaaaggggcg gccgccg 237

<210> 38585

<211> 222  
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 <213> Glycine max

<223> Clone ID: 700944271H1

<400> 38585

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 ggaggatggt gacgaagaga aggagaagga agaaaaacag aaaaagaaga ttaaggacgt 180  
 gtcacatgaa tggtccttgg tgaacaagca gaagcccatt tg 222

<210> 38586  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944272H1

<400> 38586

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 cagcttacag ctatgatcat caacaacgcc ctttttcttc tatgattgat tcgattcgat 180  
 tgaagtcgat tccgtagaga gtgagaaatc agatcacaat aatcatcgat gggtaatttg 240  
 ttcgtgaag 249

<210> 38587  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944273H1

<400> 38587

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 aacttttcat ttcaaagatt aagtgaaaac atggttgtcc ttgctgcttc cattgtgagc 180  
 aaatctggca aagttctagt ttctagacag tttgtggaca tgtctcgat cagaattgag 240

ggacttcta

249

<210> 38588  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944241H1

<400> 38588

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ctctacgccg acgtgactcc gagcaccgcc gagaacttcc gcgcgctctg caccggcgag 180  
aagggcgccg ggcggagcgg caagccctc cactacaaag gctcgtcctt ccaccgcgtg 240  
atcccgaact tcat 254

<210> 38589  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944205H1

<400> 38589

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aattctaacc aaggagaaac agaatttaag actgaaattt cgtaacagg aaagcttcag 180  
caccgaaact tagttagact acttggtctt tgttttgcaa aaagagaaag attattgata 240  
tatgagttcg ttcccaat 258

<210> 38590  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944206H1

<400> 38590

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gtatgcatcg cttccatatac ggggacaaat tgtacaccag ggtttttcat agggtttctga 120  
 gttccatctc tcttcttacc tttcactttt tgactatttt tccatgaacc ctatggaaaa 180  
 caacagcagc acaaagtcca catcaaaact accccgcaga gcaaaaagaa aaaagaaggg 240  
 tctggg 246

<210> 38591  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944207H1

<400> 38591

gataaagtca tatgtgaatc tgcaatcata gtagagtaca tagatgaggt ttggtccaac 60  
 aatgctctct ccatccttcc acaaaatgct tatgaccgag ctaatgcccg attttggggt 120  
 tcttacatcg atgacaagtg gtatacgtcc ataaggaata ctattttggc tgaagcggct 180  
 gatcaagatg atgaggcaaa gaagccacac tttgtg 216

<210> 38592  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944208H1

<400> 38592

cgccgccagc ggagaatgac gcgatgaaag tggactctcg cggcgggtcc gacgccggca 60  
 ccgaaaagga aatgtcagct cctgtcgcag atggtaatga tgcactcact ggtcacataa 120  
 tctcaaccac aattgcaggc aaaaatggcg aacctaaca aaccatcagt tacatggccg 180  
 aacgtgttgt tggcactgga tcatttggca ttgttttcca ggcgaagtgc ttggagactg 240  
 gcgaggcagt ggctataaa 259

<210> 38593  
 <211> 195  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944210H1

<400> 38593

aacttgcttg cactacgctg cttattatgg gcatatagac tgccttaagg ccattctttc 60

tgctgctcat tccacacctg ttgctgatcc ttggggattt gcaagatttg tcaacataag 120

agatggaaac ggtgccaccc ctctgcatct tgcagctcgc catagacggt cggaatgtct 180

tcatgcccct ttaga 195

<210> 38594

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944211H1

<400> 38594

gttaaggcag gccaaactat tgcaacggcc ggcttcggtg ccggtcttac ttgggggttca 60

gcaattattc gttggggctg aatgcttttc ttttacggca gaattgcaaa tagagaagaa 120

tcagttgcaa gtgcagctgt ccaaataccc cacattctta cacaattgta gaaaatgggg 180

tttggggaat ttgcaaaagg attgatatca ttaacatcca gcactccctg aaattgtccc 240

tttcttttgt ctta 254

<210> 38595

<211> 85

<212> DNA

<213> Glycine max

<223> Clone ID: 700944213H1

<400> 38595

agacatcatt cccttgaaag tgactatagc attgggttct atgtatctgt acctgtaaaa 60

cttagatggc ctgttcttgc catag 85

<210> 38596

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944214H1

<400> 38596

aactagtaat atttattaga atttgccaga gaattagaag aataaacata ataccccaga 60  
 tggcttcaaa aacttggtcc tcccttgccc ttttctcac actcaacctc gttttcttct 120  
 cacttgcttc tgcattgctt tatacaccat gccctggtcc aaacccaaag ccaaggccca 180  
 accccaaccc taaccctaac cccagcccaa gtggctcgtg cccccgtgac gcactcaaac 240  
 taggtgtatg cgcc 254

<210> 38597  
 <211> 195  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944215H1

<400> 38597

ctcgagccgc tcgagccgat tcggctcagg gccgcgtcta caccgtagtt atcgtgaact 60  
 gcacatgccc gattcccgta aacgccgaca actcaggcgg gaagctcgtc ctctttgcct 120  
 ccacctccgg cggcgccgac gcagtttaac aacaacggca ggactggagc tcctaacgga 180  
 ccaacttgga acctc 195

<210> 38598  
 <211> 127  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944216H1

<400> 38598

ttttctcact gtcttgcttc tccagagaac tgtatagaga gagatggcag ctgcaacatc 60  
 tggtgctgtg ttaaattgggt tgggatcttc cttcttgagt ggaggaaaca ggagccaaac 120  
 cttctg 127

<210> 38599  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944217H1

<400> 38599

aaagaattgg atgaagtttc atgtcctatc tgcattggacc atccacataa tgctgttctc 60  
 ctcttttgca gctctcatga gaagggctgc agatcttaca tttgtgatac aagttataga 120  
 cattcaaatt gcctggaccg ttttaaaaaa atgagggaca attttaagga gaaccaaatt 180  
 ttacccagtt ctttagtaaa cacaaacaat tctggtaata gttttgatat taaccttact 240  
 gtgcaatctg acatgcatg 259

<210> 38600  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944219H1

<400> 38600  
 aacaaagaaa aaaaaaaacc cttagccaac acaaccatca tggccacctc tgctattcag 60  
 caatcagcat tcaactggta aactgctctg aagcagctca atgagttcgt ccgcaagacc 120  
 ggtggcgccg gcaaaggctg cactaacatg cgccgcaccg tcaagagtgc tcctcagagc 180  
 atttggtatg gccctgaccg tcccaagtac ttgggtccat tctcggagca gattccatca 240  
 tacctgaccg g 251

<210> 38601  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944220H1

<400> 38601  
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 gaatcatcat ctgtatagat tactagttat ttactaaaca gacaaatggg tttcagagta 120  
 ttaggagttt ctcttcttat cttcatctat ctcatatac ttgctcctgc atctcctctt 180  
 caaaacaaat tgttttcaga atttgtgcag aatagcaagt acgaagataa gggaatatat 240  
 gaaagtaaga tagaagg 257

<210> 38602  
 <211> 271  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700944221H1

<400> 38602

tccgcattcg gctcacctcg agcgaatcgg ctcgagaaaa gaaaagctag cgtcatcggg 60  
 ccttctccgg cgctgaccat cgccgtcgca gacaccgggc ccatgggtca tccgccgttg 120  
 gatccgtact acctttacca acaacaagat gagcggacaa catcaacacg ttatttgtct 180  
 ccggtctccc agacgacgtg aaggcgcgtg agattcacia cctcttccgc cgccgccccg 240  
 gcgtcgactc ctgccaaactc aagtacaccg g 271

<210> 38603

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944222H1

<400> 38603

atccgaagct ccaaaattcc tccaaagtgc agtaaccgaa acccaatgac ccacctagcc 60  
 atgggtttggc ttcaaaccatg gctccctgaa ccctagcgtt tctccctctt cgccaacaac 120  
 gctgatccga tcccgatctg tttctgattc cgatccgagc caatccaatg gctggggcag 180  
 cctcggtctt gttcctcctt gacatcaaag gccgcgtcct catctggcgc gactaccgcg 240  
 gtgacgtcac cgccgt 256

<210> 38604

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700944224H1

<400> 38604

ctcgagccgc aagaacaata tcaacgacaa cgagttgaag agagtgggtt tttcaactta 60  
 gaataatggc ggtggagtat cagtgttgatg aaactcagtt tttcttacgg ttattgataa 120  
 ttctgctgct tgtgttgat gctggattga tgtcagggct cacttttagga ctcatgtcct 180  
 tgagtcttgt tgatcttgag gttctcgcta agtctggcac ccctcaggat cgcaaaccatg 240

ctgcgaagat atta

254

<210> 38605  
 <211> 236  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700944225H1

&lt;400&gt; 38605

cttttggggg ttctccagaa ggcaatattg aaggcaggtc taaagggttt ttcttctgct 60  
 gttactgatg acacaatgca ctcaaatc tttcaatggg gccgtcccaa atcacagtgt 120  
 ggcaatctga ataaacccca gcaaagtta catctagaat cttaacaaga aaaacaagtc 180  
 agttttgttc accttgattc caggctctca gcaagagtag caagccatac tcttta 236

<210> 38606  
 <211> 249  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700944229H1

&lt;400&gt; 38606

gtccctttgg tttcatctt ctgttctgat ccaggatgg cttctaaacg catcttgaag 60  
 gagctcaagg atttcagaa ggatcctcct acctcatgca gtgcaggccc tgtggctgag 120  
 gacatgtttc actggcaagc cacaatcatg ggacctgctg atagccata tgcagggtgt 180  
 gttttcctag tttcaattca ttttcctcct gactatcct tcaagccacc aaaggttgct 240  
 tttcggact 249

<210> 38607  
 <211> 176  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700944230H1

&lt;400&gt; 38607

tttcttcgtt cttcccca ccaatcttc gccttcgcc acaacaactc ctcttcagg 60  
 atcgctgcca acgttacttt ccatttttac ctttcctcct cgagaaaaaa atggcgaacg 120

cagcatcggg tatggccgtc catggtgagt gcaaccaag ttttggggcc ctgggg 176

<210> 38608  
 <211> 85  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944231H1

<400> 38608

ctcgagccga ttcggctcga gagatctttc caatgaatta ggatctctta gttggataaa 60

gtatcctgtg gagtgtttgc cacca 85

<210> 38609  
 <211> 76  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944232H1

<400> 38609

tggggagccc gattatcgcc atgacacgtg tgatctgtag ctgcgtaggc ctatccatgt 60

acccaagggg aatcat 76

<210> 38610  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944233H1

<400> 38610

gcttcttttc ttctgggggg caaaaggggt cacttttcag atccgagatt gagctccttt 60

acccatcatc atcatggagc tcctcgggta cctgaatcag ggtcaccctt ctagaggaac 120

aacacttggt attactcttt cattggtgct ttcgacactt gtgtccttct cacatttcac 180

acatgccttc tcacattctg cgtttccgga actgaatcct ataaaaccta ggcactcacg 240

tcttctcagg agtgccg 257

<210> 38611  
 <211> 257  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700944234H1

<400> 38611

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tcttgattct ttgcttagaa ttccacagaa tatggaaagt attcttttca atgactcccc 120  
acctttggag ttcaagggtg tgagcaagga ggaggaagac tcattgctag ggcaagttga 180  
aatatggagg tacatgacat gcttcacgga ctccgtggcc ttgaaatccg tcatagagct 240  
gcgcatagcc gacataa 257

<210> 38612

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944235H1

<400> 38612

aattgggcaa ctttttagtgc tggtagagagg tcgcgccacg acgattctcc agattacacc 60  
atatttggtg gtgacttggc tgcagatgtt actgattatc ttcttcagga gacatttagg 120  
gctcgttata actcgggtgaa ggggtgcaaaa gttgtcattg ataggctaac tggccggacc 180  
aatggatatg gcttggtgtaag gttttcagat gagagtgagc aagtgagggc tatgactgag 240  
atgcaagggg 250

<210> 38613

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700944236H1

<400> 38613

atggcaatga ctttaggtac cttccctttg ggggttggcag aaggagttgc cccggaatca 60  
ttcttgcatg gctattctt gccatcactt tgggacgttt ggtccaaaac tttgagctct 120  
tgcctcccc tggccagtcc cagattgaca ccagtgagaa aggagggcag tttagcttgc 180  
acataactcaa gcattccacc attgtggcaa agccaaggtc attttagact tcaccacatg 240

atcatatgat tgtggg

256

<210> 38614  
 <211> 251  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700944237H1

&lt;400&gt; 38614

cttttctttt ttgtatgtta ggctatatct ccccatgaat tgccgaaaat attcaaaaat 60  
 gccttgtctt ctaccatact aattgagatc atcaagtgtc ttgcatctct tttcactgag 120  
 gacatggatc tggttgtcag ttatttggag catttgacca aggtaccaag atttgatgtg 180  
 attgtaatgt gcctttcatc aacaaataag gatgacatac gcaagatctg ggatgaagtg 240  
 ttcagcgggtg a 251

<210> 38615  
 <211> 253  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700944238H1

&lt;400&gt; 38615

atccctttga tcttctccga actatattag cttctcaagg tgaaccaaag gtatatccaa 60  
 acatgaggtc tgcattcatg gatatcatcc atactcgtgg attccaaggc ttgtattctg 120  
 gattatcgcc aacttttagtg gagattatac cttatgcagg cctacaattt ggcacatatg 180  
 atacatttaa gcgttggggc atggcttggg atcatagata ctccaacact tctgcagaag 240  
 ataacctctc tag 253

<210> 38616  
 <211> 261  
 <212> DNA  
 <213> Glycine max

&lt;223&gt; Clone ID: 700944203H1

&lt;400&gt; 38616

ggaggagaca acacaaagtg caaaaaaaca gaaattaaac actactagta gctagctagg 60



<210> 38620  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944171H1

<400> 38620

agatcccaaa gttattcatc atgcactgga taatatccac aaccacaaga ttatcactga 60  
 gataaagggg cagcaggagg agccaatttt tgctgagagg atggacttgg aactccatga 120  
 ctaccaccg tatgggggcta atggatcatca cactccaaa ccaccatata cataatatgt 180  
 gtacaattgc ttcgtgttac tggtaatacc ccaatgacac ataatat 227

<210> 38621  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944172H1

<400> 38621

atcggatcga tcaagcatca gggagctttg aggggttgatt ctctggtgta gtagcaatca 60  
 gcacaataga aaatgttttt tgacggatat ggatatcatg ggacatcatt tgagcagata 120  
 tatcgatgct acccagcttc ctttattgaa aagcccaaaa tcgaaagtgg tgacaaaatt 180  
 atcatgcctc catcagccct tgaccgtcta gcatctctgc atattgatta cccaatgttg 240  
 tttga 245

<210> 38622  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944173H1

<400> 38622

tgcaattaca attcctataa tttgcaatcc tttccaatat catctaaacc ttcatTTaat 60  
 taacaaaacc aaaatgatga ataggcaatc tgtcttgccc ttctcactag tactgctagt 120  
 ttcatTTctg tattgcacct ccaccttagc ccaattatca ccagcttctg cccctctcaa 180

accaccccaa cctacccta cccaccagc tgcggctcct caacaaccat tgggttccttc 240  
attgccca 247

<210> 38623  
<211> 246  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944174H1  
  
<400> 38623

cggaatatca tatgataagt aatagttagg gatagggatg acaggatttg aaccctgac 60  
atthttgtacc caaaacaaac ggcgtaccaa gctgcgtac atcccttttc catttgtttc 120  
tagtggttatt gtaaagaatc tttgtcttgt tttccacatt tttatctgtt gatatataga 180  
tatatatata atatatatct atcatttttc taattttctg ccattttttt tagtttccta 240  
tactat 246

<210> 38624  
<211> 68  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944175H1  
  
<400> 38624

cttgaagtgc atgacaattg atttttcata tatacttggtg atcttatata tgacaaatct 60  
atatgggtt 68

<210> 38625  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944176H1  
  
<400> 38625

agaacttctg gaagaagcac actggtcccg gcatcctctc catggcgac gccgtcccg 60  
gaaccaacgg atctcagttc ttcattctgca cgacgaagac ggagtggctc gacggaaagc 120  
acgtcgtggt cggacaggtc gtcgagggga tggacgtcgt caaggagata gagaaggctc 180



gatccagctc cggcaggacc gccaaagccct cgtcgtcgcc gactgtggtc aactctctta 240  
gata 244

<210> 38626  
<211> 114  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944177H1  
  
<400> 38626

cttgcgtata tcactatatg cgttgtgttc tgtaggttgt gtgcatcaca caatcaatta 60  
agaagctgtg attctgattc agaatcagaa tgttgcaag atggagcaaa gcag 114

<210> 38627  
<211> 229  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944178H1  
  
<400> 38627

gtttgttgtt gtaactcggt cttcttcttt tgttgttctg tgtttgtgtt tgttttttct 60  
ctcacctgaa aatgtgttgc tgcggtggta actgtggttg cggaagctcc tgcaagtgcg 120  
gcaacggctg tggaggctgc aagatgtacc cagacttgag ctacactgag tcaaccacca 180  
ccgagacctt ggtcatggga gtggcaccgg ttaaggctca atttgaggg 229

<210> 38628  
<211> 118  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944179H1  
  
<400> 38628

ctttttctac ttaccttttc totgaatcca aatagatgg cagccatggc aaccacaacc 60  
ctctcttcaa accccaaact ctctattcttc aacggaaagc ccgtcacata ttcttccc 118

<210> 38629  
<211> 229  
<212> DNA

<213> Glycine max

<223> Clone ID: 700944180H1

<400> 38629

caaccccgtt gtccggagcc accatthttgc gctccggcaa tgtttctccc ggtggccatc 60  
gtcgcgtaaa gccaccaaac ttcaaagtca tgggtaatca ctgggacgaa gtcgttgtga 120  
tccagcaagg gagggatcac attgagcctt gaatcgtaac ggccaattgc ccggaaaagg 180  
ctgggtctcg ttttgatctt gcaggattca tctcgaattt gggtttcgg 229

<210> 38630

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700944181H1

<400> 38630

acttttttagg ccaggctata ttatgtccta aactttgaaa tgtttcagtc gtattcaatt 60  
tgtaaaattg gttgtgcttt gtggtgacca ttttgatctc gctagtttcc tgtgtctggt 120  
ttttcagaca agtcatttgc aatttgaact ggccatattc aactggttta gttagggtgac 180  
atggcaggaa atgggtgaggt ccagatgaat ggtagcaat tcggaactga tttcaciaa 238

<210> 38631

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944182H1

<400> 38631

ctccgaaccc tcgatcactc tcacgcgctc ctatattcgc tctccaccg tcgctctctc 60  
gaacaaccac aacaccatcc tcatcacatg gcaaacgcag catctggtat ggcagtccat 120  
gatgactgca agttgaggtt tttggagctg aaggcaaaaa ggacacaccg tttcatagtt 180  
tttcagattg aggagcagca gaagcaggtc attggggaca acttggtgag cctgcccagg 240  
gctatgaag 249

<210> 38632

<211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944183H1

<400> 38632

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 tgattacttg aactccttgg acaaggtctt cgtcaatgac caattcttga attgggcccc 120  
 gaagacagga tcaaagtccg gattgtatct gccagagctt accattcatt gttcatgcac 180  
 aacatgtgta tccgccccac tctgaagag ctggagaatt ttggtactcc cggacttcac 240  
 tatata 246

<210> 38633  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944184H1

<400> 38633

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 tgaggggaat ccattgaaga ggcgaggcga gttaatcaga aatcagaatg cacttgagcg 120  
 agaacgaagg gatagagggg aaggccttcg tggtcaccgg tggactggga ttcgtaggat 180  
 ctgctctctg cttggagctc atccgaagag gtgctagaga ggtgcgagcc tttgacctcc 240  
 gcctct 246

<210> 38634  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944185H1

<400> 38634

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 aagtttggtg acacagtaac tcctcaatac aagactaaat ttgatgccct attgattgag 120  
 cttaaagaag cagaggagaa atctctgaag gagtctgagc gtttgaaag ggaaattgtt 180

gaagtacaag agttgaagaa aaagctcagt accatgacgg cagatgagta ctttgaaaaa 240  
catcctg 247

<210> 38635  
<211> 218  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944186H1

<400> 38635

tgcccaaatt ttttcatagc attttcagag gaacaatggc gggtaggggtt tcgacgtgct 60  
tcttcttcgt gtttgcctt tctctcttc ttcttttca gatctccgt gaggaatcat 120  
cggagaaaga gttcgtactc acattggatc actctaactt tcacgacatt gtcagcaagc 180  
acgatttcat cgtcgtcgag ttctacgtc catggtgg 218

<210> 38636  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944187H1

<400> 38636

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tcatggctgc taatgaaact gcgtttggct ccattatcaa ctcaactgat gttgacaact 120  
tggctagtgc ggaaattatt gatgccggcg atgcagctgc ggctactcag tgtgatgtga 180  
gtggccctat tgattgtaag gaccctgagg tatttcatat gatgatgagg gcaacaattg 240  
aca 243

<210> 38637  
<211> 249  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700944188H1

<400> 38637

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gaagaggaac ccaatcttcc gctcattcga acgcgcctcc gaacacgacg tcgtcttctg 120  
gcagatcttc caccagagct ccgaaccgga ctgcgaggtc gaggagcgtg agcgcgttct 180  
ccaggggcag ttctgacatt tccaccatca ccggattccc gnacaagagg gacaaccctc 240  
tcttcttcg 249

<210> 38638  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944189H1

<400> 38638  
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ttggcaactc ctgctgggaa ctctactgcc tggaacatgg catccagccc gatggcatga 120  
tgccaagtga ctctctcttc ggtgtagccc acgacgcctt caacaccttc ttcagcgaaa 180  
ccggatccgg caagcacgtc cctcgcgcgg tcttcgtcga tctcgagccc accgtcatcg 240  
acga 244

<210> 38639  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944190H1

<400> 38639  
tcgccatcac actgtctagg aaccgcaacc gcaatgcatt tcagaattat tttctttttt 60  
aatttttttt tgtataagca tgttttttga tctgtttttc tatgttagat ttggaggaga 120  
agattggcgg cgacattggc gattttttaag aagcgatgtt tggcaatccg aagtttgcaa 180  
cagattctga aacctcgctc tcaactggaaa ctgcgcaatt tttaagttca catgtgctcc 240  
tcgctg 246

<210> 38640  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944191H1

<400> 38640

gagagaacca tggtagttc agcacataga ttccctgtcc cagtgaaccc tatgcttcca 60  
 caacccttc caggacttgt tggaagaga caatacaatt cctcagatga tgatgatcat 120  
 agtccatctc cttagctgtg taccactcat gtcagtgtga catcttttgg ctgcatcttc 180  
 tgtaggaaa aacctggaac caggcgattc tgacgggtct gggggtgcat gtatggctctg 240  
 gcc 243

<210> 38641

<211> 163

<212> DNA

<213> Glycine max

<223> Clone ID: 700944192H1

<400> 38641

gagccgtctt tcaagtcag gaagcatgga aggctcagcg aaggggctgt gctgggagtt 60  
 attgttgctg ctgggtgttt agtcctcgtg tgttttgttt ctttgatgtt tgtgtgctgc 120  
 tcaagaagag gtgatgaaga ataaggaacc attcagtga aag 163

<210> 38642

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700944193H1

<400> 38642

caaagtttta ttggtttggg gagagatcgc acgggggttg cccggggtct cttcctcttg 60  
 tgtggtgtgg tgtttgctgt gctctccttt tcgttatgcc ttttattatt acctatctgt 120  
 cgctccactc cgtattacga ctctggatca gaggatacat cagaggattc gctccaaccc 180  
 ctatcgagta aggtattatc tgtcaattta cattcgaaag ggtaggcta ttgaatttta 240  
 aataa 245

<210> 38643

<211> 204

<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944168H1

<400> 38643

ggggaagaga aatgagaaga tgggcaccac cttgatgaga tgctcccacg caaacgctct 60  
 cttcagagct ctcaaaccaca aaccccgcaa ttcttctactg ccacttcctc caatggccat 120  
 caccaaaggt aatagtaata aggcataatga tgcattgctg ttggatgctg ggggcaccta 180  
 ttgcaattgc caagccaatt gaag 204

<210> 38644  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944194H1

<400> 38644

tctcgagccg aatcggtctg agctttctcaa cccagtcgga ggatgctcct gccatcaaaa 60  
 agaagggtga ggatgtaatg ccaatcgcta ctggacacga gcgcgaggag cttcaggctg 120  
 agctcgaggg aaggaatatt cttgaaatag accatcccga ggttccattc gg 172

<210> 38645  
 <211> 156  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944195H1

<400> 38645

gtggatgaaa ggccgcagaa gtctttgctt ccaccctttg aatctgcaga aatgcgagct 60  
 ttagcagaga gcctaagtag ggatatcatt cgtggaagtc cagatgtgaa gtgggaaagc 120  
 atcaaggggt tagagaatgc caaacgttta taaaaa 156

<210> 38646  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944196H1

<400> 38646  
 gtttttcttc atagctaaag acacagcacg atgacgatga agataatggt agcgataaag 60  
 cgagtgggtg actacgccgt gaaaatcagg gtgaaggcag acaagacagg ggtggtgagc 120  
 cagaacgtga aaatgtcgat gaaccccttc tgcgagatcg ctctcgaaga agcccttcgc 180  
 atcagagagt ctggcttggc ctccgagggt gtcgccgtca ccatgggacc ctctcaatct 240  
 ctcgacactc tcg 253

<210> 38647  
 <211> 222  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944133H1  
 <400> 38647

tggctatgcc cctgttcttg actgccacac ttcccacatt gctgtcaagt ttgctgaact 60  
 catgaccaag attgacaggc gatctggcaa agagcttgag aaggaacca agtttttgaa 120  
 gaatggtgat gctggttttg ttaagatgat tccgaccaa cccatggtgg ttgaaacttt 180  
 ctctgagtac cccccacttg gtcgctttgc tgtcagggat at 222

<210> 38648  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944134H1  
 <400> 38648

gtttcgtgat tattggttga gccaacataa ggaggcagaa tttgaagttg ccaatgactc 60  
 tagtaatgat gatattgaga atatgctctc agaaactttt gatctaggca tggaggagga 120  
 cttcaatggt ctagagaacg agtttgagca gttggtgatg tcctctgaag ctctagatca 180  
 ttctggtgcc taatgctgga aaagtgtctc ctgagggtct taacaaagat gttaaagcta 240  
 ttcttattaa c 251

<210> 38649  
 <211> 248



<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944135H1

<400> 38649

cgccaggcgca gagtagagca gcacagaaga gggaaaacgg caccgccgcc gtagaagaaa 60  
 acaaccatgg tgcacgtctc cttttacagg aactatggga agacattcaa gaagccgcgt 120  
 cgtccgtacg agaaggagcg tctcgacgag aagtgaagc tggttggtga gtacgggctt 180  
 cgggtgcaaga gagagctgtg gaggggtgcag tacgcgctca gccgcacccg caacaacgag 240  
 cggaacct 248

<210> 38650  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944137H1

<400> 38650

tgaatttaaa aaactatggc atgctttctg tttgtccttt gggtattctg attcaattta 60  
 tttatcccct tctatgatta ctggtcggat tgataagtgt gaaactgaga ttttagactt 120  
 aatagtgggtt ttggcttttg tgtttttggc ttgtgcttat gttgtaagca gttcttgtgg 180  
 ttgtgaattg gtttaaccag gtgtttgaag aaaccaggtc cggtcacagg cggtgcagct 240  
 ggactgg 247

<210> 38651  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944138H1

<400> 38651

ggaaaggggtg tgagaagaga atggagagta aagaggaaga tggttaacgtt ggagcaaaca 60  
 agttctcaga aaggcaacca attggtacag cagctcaggg tgggtggtgac aaggactaca 120  
 aggaggcacc cccagctcct ttgtttgaac ctgggtgagct caaatcatgg tccttctaca 180  
 gagctggaat tgctgagttt gtggcaactt tcttgttctt ctacattacc atcttaactg 240

tcatgg

246

<210> 38652  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944139H1

<400> 38652

gcattgcgta atggctctga tttccctat gtatctcggg atgggtggcag gttaattgaa 60  
gctaaagatg tagtatttga atgtgggtccc aaatgtgggt gtgggtcctgg ttgtgtgaac 120  
cgaacgtctc aaagaggact tagatatcgt ctggagggtt tccgtactgc caaaaaagga 180  
tgggctgtta gatcctggga ttttatacct tctggagcac cagtttgtga gtacaccgga 240  
atacttg 247

<210> 38653  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944140H1

<400> 38653

agcgagtttt ccgaagaaga ggaaatccgg tgcattggcga actgcaagca cattttccac 60  
tgcgcggtgcg tggaccgttg gatcgatcac gatcagaaga cgtgtccgct gtgcagaagt 120  
acgttgggtgc cacatcagaa gctcgaagaa tacaaccagc gactatgggc ggcttctgga 180  
gtttcgccgt tttattacca agacgattac acggcttccc tctgaatttt tctttttctt 240  
tttccact 248

<210> 38654  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944141H1

<400> 38654

cttcaactcc tctgggtcc acttcaagct catggactcc atggagaaag gtcctctccc 60

tggttaaacc gaaaacgttt ccgataatag tgataacgat aacgaggatg atgacgatga 120  
 tcaagatctg taccaggaga tcaaccacaa cggccacatc aggagcttga acaagatgta 180  
 taggaatggc tttccgggtt ctggtgccgg ttccggtgct ggtgtcttta ggattcgaat 240  
 tcctact 247

<210> 38655  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944142H1  
 <400> 38655

tgcagatccg aggagttacc ctttcttttc tttttcttt tttctctttc ctcattctac 60  
 ttaaaactcc caccagtgat ggcaggtttg gctccagagg gaacacaatt cgatggtcgc 120  
 caatatgatg ctaagatgag tgaattgctt tccactgatg ggcaagaagt cttcacctct 180  
 tatgatgaag tgtatgacag ctttgatgca atgggattgc aagagaatct tctgcgaggc 240  
 atatatgc 248

<210> 38656  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944143H1  
 <400> 38656

ggaccggcgt cttcttgctt cgggggtggtg gagctactac cccatccgaa tcaaccaaca 60  
 agcacggtaa aggttgctcc actgttctta tacctgccag agtagtccag gctttgcaac 120  
 tccatttcga ccaaattggct gccacgtctg ggcccaaagc tgggtggcttc cctcctctcc 180  
 atgatgttct agtgagtaac agggatggca tgtattcact tcagaagccc gagtcacgga 240  
 aagcg 245

<210> 38657  
 <211> 171  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944144H1

<400> 38657

caaccctaac gcgtgcagag cagagagaga cgcagccatg gggcgaagac ccgcgaggtg 60  
 ttataggcaa attaagaaca aaccataccc caagtcacgg ttttgccgtg gtgttcctga 120  
 tccaagatc aggatttacg atgttggtat gaagaagaag ggtgtgaatg a 171

<210> 38658

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700944145H1

<400> 38658

ctttctttac ctacttggac gggaatgtaa atgtactttg gttagcacct aataatgtta 60  
 ttgattacta ttttgcactt tctttgtttt agactgcagt ggcagtagga gtggagccta 120  
 gtcctaagtt gccttacaat gaatattatg aatattttgg cccggactat aatctccatg 180  
 tgaaccatc cccatgggaa actctaacca caccagggga tctggaaaaa attcgaata 240  
 cattact 247

<210> 38659

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 700944147H1

<400> 38659

gaagtgtttg cgggatgcca agatggataa gagtaccgtc catgatgttg ttcttggttg 60  
 tggttctact aggatt 76

<210> 38660

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700944148H1

<400> 38660

aatgatccaa gaatcaactg gctctgcaac ccagtccata aacacagggg actgcgtggc 60  
ctcacttctg ctgggaaaag taacaggggt ttacggggca gaggacatct ctaccacaaa 120  
aatcgtccat cccgcaggca aacctggaag agaaacaaca ctctttccct tcgtcgctac 180  
cgttgatttt gtcaccatta tcgtatgttg cttcattttc caagtatttg gagtgcatta 240  
tatgta 246

<210> 38661  
<211> 230  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700944149H1

<400> 38661

caaagccctc aaagcataat ctcaactcgta ttagcggttg tgagagagac agacaaatgg 60  
caacaagcga agaagtgggt gtcgcggcgc cgaggagncg cgccttgagg cccggctgaa 120  
gcacaaacgg gagagaaaat ggacgttttg gtgcggacac caatccaaac ccaaacaggg 180  
cgctgcttag ggtacctctc ttcgcaaggt ctacaccttc gacaccgttg 230

<210> 38662  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944151H1

<400> 38662

caaattccca catggtttgc aatttctggt tatgttgcta ttgctgccat ctctactgcc 60  
actctgccac acatcttccc cgaactaaaa tggatttcca taatggccat ctacttattg 120  
ctcccaactt agcattttgc catgcttatg gttgtggact aacagattgg tcccttgctt 180  
ccacctatgg aaagctagcc atctttacaa ttggagcatg ggccggttca tcaaacggtg 240  
gagttct 247

<210> 38663  
<211> 213  
<212> DNA

<213> Glycine max

<223> Clone ID: 700944153H1

<400> 38663

ggcaattttt gacaagtgaa gtttcaagaa tcaattattt aggatataga ctttatcgtg 60  
ctctgccttt cctttatgaa ttaagatgtg ttcttgactg gtcatgcaca actacgtccc 120  
tcaccatgta tgactggcta aagctggagg acataaatgc aagtttgtac cttgtcaaatt 180  
gtgattcagt cttaaataga gttacacaca acc 213

<210> 38664

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700944155H1

<400> 38664

atctagagca aaagaagagg cttctagcag gaaggctatc atggagaaag tggagaagtg 60  
gatgttagca tgtgatgagg agcgctggct agaagaatat agcagggatg agaatcgata 120  
ctcagtcagt agaggagctc acaaaaactt gagacgtgct gaacgtgccc gtataatgggt 180  
cagcagaatg ccagctctgg tagatttgct aataaaaatg actaggagtt gggaagaaga 240  
aa 242

<210> 38665

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944156H1

<400> 38665

gtacagagag agagagagag agagagagag agagagagag aggctgctat ggggcacaga 60  
gctatgttaa ccttgctact actcctcttc ttctcgacca atttggttcc ttccgccctt 120  
gctatctggc tgacgttacc caccactggc actaagtgcg tctccgatga tatccaacac 180  
aacgtcgtcg ttttggccga ctacgtcgtt atccccagtg ctcacgcaca caatctcacc 240  
atcgccgtc 249

<210> 38666  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944157H1

<400> 38666

ctgaggattc cgaacgagtg accttcttcg tttctcgcaa agtttaagta atcatggggtc 60  
 aggaaaaggt tcacatcaac attgtcgtca ttggacatgt cgactctggg aagtcaacta 120  
 ccactgggtca cttgatctac aagcttggag gtattgacaa gcgtgtgatt gagagggttcg 180  
 agaaggaggc tgccgagatg aacaagaggt cattcaagta tgcttgggtg ctcgacaagc 240  
 tcaaagctg 249

<210> 38667  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944158H1

<400> 38667

ggaaggaaga tgagtttgag ggcatcagag atagcgaaga agttgaatct gcaacctcac 60  
 ccagaagggt ggttttacgt ggagacattc cgagaccatt ccgtccagct ttcgacctct 120  
 cagctcccc ccgaatacaa agtggatcgc cctgtatcga cctccatcta ttttctcggt 180  
 ccttctggga gtgtgtctcg cctccatcgc ataccctgcg ccgaaacctg gcatcattac 240  
 atcggcga 248

<210> 38668  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944161H1

<400> 38668

ggccgccgcg gtggagaacg cgctcccggtg cagcttggag gacctctaca aaggagtcaa 60  
 gaagaagatg aagatttcca ggaacgtcta cgacgctttt ggcaaagtgt gggatgtgga 120

ggagattttg actatcgaga taaaacctgg ctggacaaaa ggaacaaaaa ttacctgccc 180  
 agagaaaggt caccggtgcg ccgggtccca cccaacaga tctcattttg gtgatagatg 240  
 agaagccg 248

<210> 38669  
 <211> 74  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944162H1  
 <400> 38669

tgcgatcaa ccacaggatg ctgcttcaag gcggcgagca aagtttcggc atatagggca 60  
 gttgaagggt catt 74

<210> 38670  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944132H1  
 <400> 38670

atcaaattag ttcattctct ttgcgcagtt ccctacctct cctttcaaga tgcagatctt 60  
 cgtcaagacc ctacccggaa agaccatcac ccttgaggtg gaaagctctg acaccatcga 120  
 caacgtcaag gccaaagatcc aggacaagga aggaattccc ccggatcagc aacgtctcat 180  
 cttegccgga aagcagctcg aggacggccg taccctcgcc gactacaaca tccagaagga 240  
 gtcaaccctt ca 252

<210> 38671  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944163H1  
 <400> 38671

ggcattcgaa atcgggtgaag atggttgcta tgaggtttca tcagtaccag gtggtgggaa 60  
 gggctcttcc taccgaatcc gatgagcatc ctaagatcta ccgcatgaaa ctctgggcaa 120





caacaacgtg tcctccgacc tgaaggcggt ctccgcccgc ctggccctct cctccatcct 60  
cctctccgcc cctctccccg ccggcgccga catctcgggg ctcaccccat gcaaggagtc 120  
gaagcagttc gcgaagcgtg agaagcagtc gataaagaag ctggagtcgc gctgaagctc 180  
tacgaggcgg gcagcgcccc cgcaactggc attaaggcga gcgtggagaa gacgaaga 238

<210> 38675  
<211> 236  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700944094H1  
<400> 38675

aaacagcgaa aattaaacaa caacaaaaaa aaagctcttc catccgaaac cgtaactcac 60  
tgccggcgac gaggatctcg ccggggaaat gaacattccg gcgaaactct tttctctttc 120  
tttgagcaat gcacgtctct cataccatcg tcgccatgtt tttcacgaaa gccttgacct 180  
cgaaaagttt ttcacctcct ctttctcttc tactcgcgta gtagtctaga agttat 236

<210> 38676  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700944095H1  
<400> 38676

gtgctctgct cgtgcctcta gggttatcat atctccattt ccatttcctc tctctcagtt 60  
tccaagaatc ttaagctatg ggaaagtctt acccaacogt gagcgctgat taccagaagg 120  
ccgttgagaa ggccaagaag aagctcagag gcttcatcgc tgagaagaga tgcgctcctc 180  
taatgctccg tttggcatgg cactctgcat gaacatacga cgatagcatg aagaccggct 240  
gactcatcgg aacc 254

<210> 38677  
<211> 248  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700944096H1

<400> 38677

ctacaagcta .tctcagcttg ttagcacttt ctttttcttc atttcattat ttttctcata 60  
 atgtcaactt tcatgttgaa aatcttcctt ctaatttcca tctttcaa at ctctttogcc 120  
 actaggaggt tgaatgagtt agttcaggac caaactcagc ttcttcgtac cacaatggcc 180  
 catctcacac gggcaaaatt accattaacc tcatttgga tggccaacat taaccaatcc 240  
 agaaggca 248

<210> 38678

<211> 52

<212> DNA

<213> Glycine max

<223> Clone ID: 700944101H1

<400> 38678

aaaaaaatag taattatttc catgataaac tcatttagaa gtactccgta at 52

<210> 38679

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700944102H1

<400> 38679

ctaatttcgg aaagatcggc gatgactgcc tccaaggatc gcgagaactt cgtctacatc 60  
 gccaaactcg ccgagcaggc cgagcggttac gaagagatgg tggaatcaat gaagaacgtt 120  
 gcgaatctcg acgttgaact gacgggtggag gagcgaatt tgctttctgt tgggtacaag 180  
 aatgtgattg gtgctcgag agcgtcctgg aggatcctgt cttccattga gcagcaggaa 240  
 gaaacaaaag gga 253

<210> 38680

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944103H1

<400> 38680

caaatcggtc catctttcac tcgatgagag aacaggttca ggatttgtgt cgcgatgatct 60  
 ttaccttcac gggatattca gcgcttctat taagttgcct tctgattaca ctgcaggagt 120  
 tgttggtgcc ttctatatgt caaatgggtga catgttccag aataaccatg atgaaatcga 180  
 ctttgagttt ttggggaaca ttagaggcaa agactggagg attcagacca atgtttatgg 240  
 caatggtag 249

<210> 38681  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944104H1

<400> 38681

aaagagtttt aaagaaaaaa ttgatgatga atatcgagtg aacatgattt tggataacct 60  
 tccagttgct gttcgtagac aaaggaggga tggaggtaa tcaacaacat atgaacatgg 120  
 ttttcgtgtt gggttcaaag gaaactatca agggagcaag gaggagaagt attttattaa 180  
 taaccacttg agtttcagag tcatgtatca caaggat 217

<210> 38682  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944105H1

<400> 38682

ctcgcggatc taatattaag gaatagctta agggcacatt acaatgaagg cattgattct 60  
 ggttggggga tttggaacaa ggctgaggcc actgacactc agtttcccta agcctcttgt 120  
 tgattttgct aacaagccta tgattttgca tcagatagaa gcccttaagg ccattggagt 180  
 gactgaggta gtgctagcca tcaattacca accagaggtt atgttgaatt tcttgaagga 240  
 ttttgaatca 250

<210> 38683  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944106H1

<400> 38683

cggaagtca ttcttccca attcgctaa catatgcaga agatgcctta cgaaccatga 60  
gtttaccga agcatatgca gagattgtat taaacttacc acaggcgatt cggcagacgt 120  
atcatcaaaa agccaccgct tagagctttg ccctttcagt agcctagatg catctgtaaa 180  
aattcttggg agagatgtta aatattagaa aaacaacttc agaattatta ccta 234

<210> 38684

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700944107H1

<400> 38684

ctcactgtcc caaaaaactg tgggtctcagg caacaaaaga gggtttgctg acacaattga 60  
cccagagttt cctggcaatg cagggataaa catgatgcta tcacctaac cttctggagt 120  
taagcctacc acagtgaaag acataccaag caaggtatta caagaacatc cttctgcaga 180  
aaatggaacg ggtcataccc atacgggagc ttctatcagt agcagtgcac 230

<210> 38685

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944110H1

<400> 38685

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gtccatgggc ttaagaaaaa ctgcaaagtc cagagcttca caccatccac accaccccca 120  
acttcgggta attacagaac ggccaagaga agaaagggaa taccacaccg tgccccaatg 180  
gtgggactaa tcatagaata ttagtgatag tgggtatttt taggctattt gctataatgc 240  
tcttaggtag t 251

<210> 38686

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700944112H1

<400> 38686

tttcaaataga agacctgcgt caaatatttg gggcttatgg agagggtcaaa gagataaggg 60  
 aaactcctca caagaggcat cacaagttta ttcaattcta tgatgttaga gcggccgaag 120  
 cagcacttca atcaataacc aggggtgacct agtctgtaac cgcctaaagc ttgacccaag 180  
 taggcctgga ggagctcgta gaaatttgat gctccaatta aatcaagagc ttgaccaaga 240  
 tgaatctcg 249

<210> 38687

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: 700944113H1

<400> 38687

gtaatttctt gggaaaatta aaacaaaaac tggtatttaa cctcctctgt ttttaataatt 60  
 ttgaattacc tagtggtgca cctcattatt acttgaaatt ttgat 105

<210> 38688

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700944114H1

<400> 38688

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 aacctctgct gatcactttt gcgacacctt gaagggtgaa aaacagcatc gtattcatga 120  
 tggtgcccct catcatgtcc ataagggtgga agttcatgaa ggtgagtgagg ataaatctgg 180  
 caatatcaag gtgcttacat tcgctgatgg ggacactggt gagaccttaa aggagagagt 240  
 tgattttgat g 251

<210> 38689

<211> 238

<212> DNA



<223> Clone ID: 700944118H1

<400> 38692

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 tgttcaagga ggacgggcag gagtacgcgc aggtgctccg gatgctgggt aacgggcgggt 180  
 gcgaggcgat gtgcatcgac gggacgaaga ggctctgcca catccgcggg aagatgcaca 240  
 agaaggtgtg 250

<210> 38693

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700944119H1

<400> 38693

gtttggttcc ccaaacatgg ttgctttggc tcaggagaag gtgatacagt cctccttttc 60  
 tctccatgaa gaaaagcagt tagaaattca tctgagaggg agggatctac ctcttgattt 120  
 aatgaagcaa ttaataagaa ttttgggcca gatctccatg gattgaaaga gaaggtacct 180  
 ggggtagatc ttacactgaa catacgtcgc cacataatgc atcttcatgg tagcaaggag 240  
 ttgaaaccga ga 252

<210> 38694

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700944120H1

<400> 38694

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 gcatcccctg aaaacaactt acagtgggtg gtttcaagaa tgatgggaag attacagcat 180  
 tagatcttaa gatattggtc aatgcaggga tatatgtgga tgttagtcca ataataccac 240  
 gcaacatgat 250



<210> 38695  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944121H1

<400> 38695

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 gatctttgca aaaaccccggt cgacggcttc tctgccggtt tggtcgatga aaccaacatt 120  
 tttaaagtga gtgtcaccat aattgggcgg ccgataatct ctacgagggg ggatttttca 180  
 atgctattat gagtttccca tccaattacc caaatagtc 219

<210> 38696  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944124H1

<400> 38696

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 tgtacaggaa gttgggacac aaacttaaag atatgggcat ttggagggca taggaggaca 120  
 acttaagcca ttgcgggaag gtcaaattgg agacgaattg cgtgctaatt tatataaccc 180  
 ttcatcttag ccttgcaact catgtccggt tgtccatgtg tgtgatctta gtactttttc 240  
 cattgtact 249

<210> 38697  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944125H1

<400> 38697

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 actttaaatc ctattacaag cttatattac atagctccct gcagttttgt gtttctcttt 180

gtgccttggt acctactaga gaagcctgtg atggaagttt cacagattca gttcaatttt 240  
tggatcttc 249

<210> 38698  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944127H1  
  
<400> 38698

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tctctctcgt aattttctct cttattgagg ctagaaaaag agagcaaaaa aactaaaaaa 120  
tgcttgccgt cggagggtata aacaccggag ggggcaagga gtaccctgga agcctcactc 180  
tatttgtagc ggtaacatgt atagttgcag ccatgggtgg tttaatcttc ggttacgata 240  
tcgg 244

<210> 38699  
<211> 106  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944128H1  
  
<400> 38699

gatggcaggc agtggcaccc tatattgatg aggatctctt catcagagtc atcattcaac 60  
cagccactgt tggaaacaaa actgagagaa ccatcacaac atctta 106

<210> 38700  
<211> 106  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700944129H1  
  
<400> 38700

agaatggcga aggagatagt gaaagagctt cttcctctaa ttcgagtgt caaggatggc 60  
agcgtggagc gtcttctaag ctctgaaaac gtggcagcct cccctg 106

<210> 38701

<211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944093H1

<400> 38701

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 cgacagcttc attcaccatg gctgagcaaa ccgagaaggc ttttttgaaa caaccaaag 120  
 tgtttctcag ctgcaagaaa actgggaagg gaaagagacc cggaaagggt gggaaccgct 180  
 tttggaaatc cattgggctt ggatttaaga ctcccagga agccatcgaa ggaacctaca 240  
 ttgacaagaa gtgc 254

<210> 38702  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944130H1

<400> 38702

caaaccgtca ctctatttct tttactcctt ctcaaaccct atctctttag ttatcctcag 60  
 ccatggcgtc tctactgcta gcatcacctc ctccactctc cgttcaattg cacagttcca 120  
 cctctcacct ttccttctct cactcccaaa ctctctcttc accactctcc acttccttcg 180  
 cttctctctc agcttctgaa acttcactc tttcccaac cccttctgtg tactgtggca 240  
 gacgggaccg 250

<210> 38703  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944131H1

<400> 38703

gttagtgaga gaaagttctc tctgcttctc tctcttagac tcataaccct attgcgtgct 60  
 ttgcaatcga ccccgattat ggccaacagt aacctccctc gtagaatcat caaggatagc 120  
 cagcgtttgc tcagtgagcc agcacctggc attagtgcgt ccccttcgga agacattatg 180



acagtaattt caagtaccgt taagaaacct atatggtgct aagaaagcag tgaagagtgg 120  
 ggggctcggc gctcgtaaac tcactaaaaa gccaaagtga tctctctatg agcagaagcc 180  
 tgaggaaccc cctgctccag tttcatcttc aacaaacaat atgcctgctg ggccatctcc 240  
 aacgtctcgg tttgagtatg tagaaa 266

<210> 38707  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944052H1  
 <400> 38707

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 ggactttcac gcgctgaaca ggatttagtg ttctctcaag cccctcgagg aaagagaaaa 120  
 gtgatcattt ctactaatat agcagaaaca tcactgacgt tgggaggaat tgtctatgtt 180  
 gttgacagtg gattctctaa acagcgggtc tacaatccga tttctgatat tgaaaatctg 240  
 gttgtggcac caatctctag a 261

<210> 38708  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944053H1  
 <400> 38708

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 cactccaact ctaatttctt cttcaccagt tctaaacct caagaggctg tacaagaggt 120  
 caacaagaaa atcaatggct ctatagcaag acccagaagg aacttgggct acctctcatg 180  
 tggtagtggc aaccccatcg atgattgttg gaggtgtgac cccaactggg agcagaacag 240  
 gcagaggcta gcagactgcg 260

<210> 38709  
 <211> 260  
 <212> DNA  
 <213> Glycine max

[illegible]

gcagcaactt	cgggacaagc	ttgctataac	tgagcgaact	gcaaagtctg	aagcacagtt	60
aaaagaaaaa	tatcaattaa	ggcttaaagt	gctacaggag	agtttgagag	aaactttctaa	120
cagtattaat	cgcgggcacct	cagaggggaag	atgtgtagca	atgggccttc	tcgacgtaat	180
ccccaaagtg	gactcttatac	atctctcaga	actatcatct	aatgggtttt	tgaagagatc	240
accgtccact	caaattaggt					260

<213> Glycine max

<400> 38710

aaaaaacaag acaccaacca aagtttcagt ttctctctat tctaacgttg ttgaatggca	60
gtagatctgg caaatattag gatggaagag aatatggcga ttcaagaagc agcttccgct	120
gggttgaaga gtatggagca tctgattcgc gtcctttctt ctcaaattcc ttctgcttcg	180
tcttcttctt ctaacgcaca ccaccaccgt cttaatctca accaccttga ctgcgcggaa	240
atcacccgact tcaactgtctc	260

<213> Glycine max

<400> 38711

cgacgccggt	tcgcggttcg	agaccgagga	gaccaacggc	accgcacact	tcctcgagca	60
catgatcttt	aagggcaccg	agaggcgcaa	cgccgtgagc	tcgaggaaga	gattgagaac	120
atggggaggac	acctcaacgc	ctacacctca	agggagcaaa	ccacctacta	cgccaaggtc	180
accgacaagg	acgtccccc	ggccctcgac	atccgcgcgcg	acatcctcca	gaactcccg	240
ttcgaggaaa	ctcgcatc					258

<210> 38712  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944057H1

<400> 38712

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atgaaaatgc cattaccaga caacagtttt gatgcagtgt atgcgattga agccacttgc 120  
catgcaccag atgcttatgg atgctataaa gagattttta gagtgttaaa gcctgggtcaa 180  
tgttttgctg cttatgaatg gtgcatgacc gattcttttg atccccaaaa cccagagcac 240  
caaaaaatca aggcagaa 258

<210> 38713  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944058H1

<400> 38713

tttggatctt cttttccaac gctatatgtg ctctagcctt gaatttctcc attttcttag 60  
tcattggtag aaccggtgct gtaaccatcc gggctcgtgg tgtgcttaaa gactggatat 120  
tgatagctct ttcaactgtt atattcccag aatctacaat aactgggttg aatatagttg 180  
gctatgctat tgcattgtgt ggagttgtga tgtacaatta cataaagggtt aaggatgtcc 240  
gtgcctctca attgc 255

<210> 38714  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944062H1

<400> 38714

gcaaaatctt atcttagcaa tagctacccc tatcacaaca atactctatt aggcaaaaac 60  
accaaattggg agaggaaaaa gagcagccta agaataaac cgagaagaag cccgaggagg 120

ccgccgcagc cccaagaaa gacgacggac ccatccctgt cgtttataaaa ctcgacttgc 180  
 attgcgaggg atgCGTcaag aagatcaaac gcacatgtcg ccacttccaa ggtgtggaaa 240  
 cc 242

<210> 38715  
 <211> 177  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944064H1  
 <400> 38715

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 aggagtaaga atgattctgt tcctaacgtt aatatgactt ggggtgttcc ggttggtgga 120  
 gggataagt acttgggtccg gttcacttcc tgagatatcg ctcgcatcgc ggggggt 177

<210> 38716  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944067H1  
 <400> 38716

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 gtaccctgga gaaaagagga ggcaaatata tggagaacga ggggtgtaaac acggtggtgg 120  
 tggagcaaca acctgtggca tccacgtcca agtttccgtt gagcttttgg gaaaccacgg 180  
 tggcttcaac ggtggcgctg gttttcgcgg tgggccttct cggcgtctac ctcacatgc 240  
 ccgattccga ttacagcttc ct 262

<210> 38717  
 <211> 219  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944069H1  
 <400> 38717

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agggttcttg aaattattgg tatgcaataa ttttgaactg cgtggtagtg tgggaattca 120  
 ttatatagct tttgttcggt gttatctaga agtttttagtc atttgtaata tcatatgtcg 180  
 tgaaaaattt gtatctggta tatatgtacg ttatgggcg 219

<210> 38718  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944073H1  
 <400> 38718

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 ctccggttc tctgacgcca ccccaggacg aaatagcgac gcccagatc acgaaactgc 120  
 tcccacagaa gcccacacc gtcaaagaat aatcttggtg aacccttga ctcagggcat 180  
 ggtggtgatc gacggtggtt cgagcctcga ggctctgtt cgcgaattca ccaacggaaa 240  
 aggtggtcga cca 253

<210> 38719  
 <211> 172  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944074H1  
 <400> 38719

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 accccaaaaa tctcaaactc agtcccaaac gttcttttcg caaaaaggaa cgatctttag 120  
 tctcacgctc cgaccacct tcattcggat cctcgatctt cctccgacga ct 172

<210> 38720  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944077H1  
 <400> 38720

tcccacccca cttacatata cactctccca ctctccgag ccggtcgagt tgaatcggtg 60

agtcagtgac cgagttgaac catgtcggac gaagagcacc atttcgaatc caaggccgat 120  
gccggagcct ccaagaccta tcctcagcag gccggaacca tccgcaaaaa cggctacatc 180  
gtcatcaagg gtcgtccctg caaggttggt gaagtttcta cttccaagac tggtaagcac 240  
ggccatgcta agtg 254

<210> 38721  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944079H1

<400> 38721

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gccaccgccg cgatggcgtt ggccgcgtcc gacgccgacg acatcctgat ccgtcaggtg 120  
gtgccagatg ttggcgagcg aagaggagga caacctgctg aacgccgagc accacttcgc 180  
gagcttcaag gccaaattac ccaagaccta cgccaccaag gaggagcacg a 231

<210> 38722  
<211> 253  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944080H1

<400> 38722

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cttgggtcaag cacaagtaga gttgaaagtt ttaaaggacc agctagcttc tgctgaagcc 120  
gcaaagaaag aagctcaaga tgagctagtg aagaaagctg tgcaatcagt agtgccagtg 180  
gtagagaagc tccaagagat nateactcc aagaantgct cagagacgta gtaaacngaa 240  
agcaaagtcc aag 253

<210> 38723  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944081H1

<400> 38723

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accttccaag agattgctgg tagcaatgac actgttggcc actatgagag tcacactgac 120  
ttcaaccttc caggacttta cCGtgctgtg cacgggtattg atccattcga tccacagtac 180  
aacatagtct ctcccgggtgc agacatgggt atatacttcc catacactga aactgagcgt 240  
agttcacagt tttccact 258

<210> 38724

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700944085H1

<400> 38724

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gttctccgat ctactccgt ctgagtttcg cggccagttc ctgggcctga agccgctccg 120  
ccttccctcc gacgtcaga aggtccgat ccttccgacc agcgaccttc ctaccgattt 180  
cgattggcgc gaccatggag ctgttaccgg cgtcaagaat cagggctcgt gcggatcgtg 240  
ttggtcattt agcgccgt 258

<210> 38725

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700944086H1

<400> 38725

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tgatatatat tgatgggttct catgtcaatt atactttcaa agatggggat atcattgcc 180  
taatctttcc aaagcaccgg ttctgaaagt tctcttgct cataagtttt tatagagatg 240  
tcaagtaa ttcacagcat 260

<210> 38726  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944088H1

<400> 38726

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 tagaagtgga caatagagtg gtagtgccag ctaaaactca tctgcgtgtt attataacat 120  
 cagctgatgt acttcatagt tgggcagtac cttccctggg tgtcaaatgt gatgctgtgc 180  
 ctggtcgttt gaatcagatc tctactttta taaaagaga aggggtttac tatgggtcaat 240  
 gcagtgagat ttgtgga 257

<210> 38727  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944089H1

<400> 38727

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 tttttgatct gcgaaaatga gagagtcac tcgatccaca ttggtcaggc tggatatccag 120  
 gtcggaaatg cttgctggga gctctactgc ctgcagcacg gcatcggggc cgatgggcaa 180  
 atgccaaagt acaagacagt tggcgggtgg gatgatgctt tcaatacttt cttcagcgag 240  
 actggtgctg gaaag 255

<210> 38728  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944090H1

<400> 38728

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 gaatttgcaa gaagatgggt tcccttttgc aagaagtata acattgagcc aagggtcct 180

gagttttact tttctcagaa aattgattac ttgaaggata aggtgcagcc tacatttgtg 240  
aaggaaagaa ggg 253

<210> 38729  
<211> 226  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944047H1

<400> 38729

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gcagtggctt tgcattcatc catgcaaact ctgttgctga tataatagct gttgaggctg 120  
tgccggtgga ccgaattgat gcgaatctag tccagaaggg tcttcaagat ttcacccaga 180  
agctgaactc agccacaact gatttggaga aagctgaagc tcagat 226

<210> 38730  
<211> 84  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944014H1

<400> 38730

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atgagacaag aagatatttg aatc 84

<210> 38731  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700944015H1

<400> 38731

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atgcctaacc ctaaggctctt cttcgacatg accatcgccg gtcaacctgc cggccgcac 120  
gtgatggagc tctacgccga cgtgactccg agcaccgccg agaacttccg cgcgctctgc 180  
accggcgaga agggcgccgg gcggagcggc aagccctcc actacaaagg etc 233

<210> 38732  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944016H1

<400> 38732

ggatatgcgtg tcgagtttag attgagatat aggattgtct tttggtaaaa gtccaggttt 60  
 ggagcctttt cccatcaatt ggctgatcag gattaaccat aaatcccttt gatcagaatt 120  
 tttagtattc tgttgacta tatactacaa gggaaatatt tcagatatct gaagggtgaa 180  
 gtccttttac atccactgaa aactttcttc atgatgcata gtttatagtc tccaaa 236

<210> 38733  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944017H1

<400> 38733

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 cacaaaaaat taaaagatac tatttggtgt tattattatt tgattattga ttcatttaca 180  
 tttttttaa aaactttata attgtcttag tgggaagcct tgctaccttg ctttgatttt 240  
 tgttgttaat taacgatctt caacaat 267

<210> 38734  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944020H1

<400> 38734

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 cagaagacaa taatggggtg gtaaaccag aggatggaaa gccagaagaa gttgagaaat 180

atgataagat ggatgaagat ccaaagcagg aggttgaggc tgagccaaag gctgttgagg 240  
 ctgagccaaa agtgaaagat a 261

<210> 38735  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944022H1

<400> 38735

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 cacaagcaac agtcgtcgtc gccggacatg ctccgcgacg aggcgtggca gcggcggaag 180  
 gacaacaacc acccgtgaa ccgcccag caccggctga gcaagagcct ctccgaggac 240  
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<210> 38736  
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 <213> Glycine max

<223> Clone ID: 700944023H1

<400> 38736

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 agtcgtggtg gactccatgc ggaagagtgt gaggatgaac aacctctcgc agtacgagct 180  
 tctcgcgac gctgccaacg ccaaagacga cgccgcagga tacgcctccg ccgatgatgc 240  
 agtccgatc aactccgaca aga 263

<210> 38737  
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<223> Clone ID: 700944024H1

<400> 38737

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 ttgagagtcc taacgtgaag tacacagaga ctgagattca gtccgtgtac aactatgaaa 180  
 ccactgaact tggtcacgag aacaataatg gcacttatca gtgggttggtc aagcccaaaa 240  
 ctgtcaaata tgaatttaaa ac 262

<210> 38738  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944025H1  
 <400> 38738

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 ccaccagcca tgggtcgtat gcacagccgc ggtaagggtta tctctcttc tgctttgccc 120  
 tacaaaagga cccccctag ctgggtcaag atctcttcgc aagatgtgga agaaaatctc 180  
 tgcaagtttg cgaagaagggt tttgaccccg tctcagattg gtgtcattct tcgagattct 240  
 cacggtattg ctcaggtcaa 260

<210> 38739  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944026H1  
 <400> 38739

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 tctggcaagg agttgccgat caagtctgca caaattactg catcaactga tttcactgag 180  
 ctacaagaga aggcaccctg gctttcatct tctaaattgg ttgtgaaacc tgacatgtta 240  
 tttggaaagc gtggcaa 257

<210> 38740  
 <211> 258



<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944027H1  
  
 <400> 38740  
  
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 tttggctttg atgggactca cgggtgtagc atgggtatcg agagtgtggt ggataagaat 120  
 gaaaaaaaaat catctgggtg cattcgggat gctgggttga ctgcatgtga gatggctggt 180  
 atttggatgc agaaccagct gaggcagaat cagacagaag ataggataat agactatgcc 240  
 aatgagcttt gtgaaaaa 258

<210> 38741  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700944029H1  
  
 <400> 38741  
  
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 ttttacagac agaagaaaac caccgccacc aaaaaatctt ccaaaaaatc tccgattccc 120  
 gccgcggccc aatcaccggc cctcatatcc cacggcggaa aaccgcacct agaagatgag 180  
 tacaaggaga gcgagggtggc actgcggcaa ttcgacctga acatggcgta cggaccttgc 240  
 ctcgggatga cgcggctc 258

<210> 38742  
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 <213> Glycine max  
  
 <223> Clone ID: 700944030H1  
  
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 atgtcaagtc ctttgaatgg ggaaaggaca ttgaaagtca tgatatgcta agacaagggt 180  
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257

<400> 38743

<400> 38744

<400> 38745

15478

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 tctcttggtg ctaccactgg gacaag 266

<210> 38746  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944035H1  
 <400> 38746

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 gctaacttgt acaacacatc tatcactttc agtgataaaa acaatgggct gcacaaaaaa 120  
 atttctgccc agtatgtaag caacaagttg cggctcgaca ctgagtgaca caaccctact 180  
 actgttttagc ttccattctc atccataaat ttgtgtatag ttttccatat ccaatacaag 240  
 caagaatttt cattctctgc tgtca 265

<210> 38747  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944036H1  
 <400> 38747

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 tggctttgcc caagcagcaa accgtcgatt accccagctt caagctcgtc atcgtcggtg 120  
 acggtggcac aggaaagaca accttcgtga aaaggcatct cactggtgaa ttcgagaaga 180  
 aatatgaacc gaccattggt gtggagggtc atccgttgga ttttttact aactgcggaa 240  
 agattcgatt ctattgttgg gat 263

<210> 38748  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944038H1



<210> 38751  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944042H1

<400> 38751

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 gatatttggtt ccttcagcgg agggttgttt ctcgagccca aaatccccga ttccttcgtt 180  
 cgttccattt cgctgaagat ccactccact cccttttcag aatccaatcc tcgccgccac 240  
 cggagaaggg ttccggc 257

<210> 38752  
 <211> 167  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944043H1

<400> 38752

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 gtgtcagcca aggttgccct ccagaggac aaaaagagg catcattgaa ggttgacgag 120  
 gagaagaaca cagaagaagt tgttgacgac tccagacacc acgaaac 167

<210> 38753  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944044H1

<400> 38753

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 ccttggcgac ggtggatccc gagatccatg acctcatcga gaaggagaag caccgccaat 120  
 gccgcggcat cgagctcatc gcctccgaga acttcacctc gttcgcagtc atcgaggccc 180  
 tcggcagcgc cctcaccaac aaatactccg agggcatgcc cggcaaccgc tactacggcg 240  
 gcaacgaatt catcgacc 258

<210> 38754  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944046H1

<400> 38754

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 ctgcagtgtt ggcctgttg gtgatgacat gtttcattgg caagctacaa ttatgggtcc 180  
 aactgacagt ccttatgctg gtggtgtatt cctggtgacc attcacttcc caccagatta 240  
 tccatttaag ccacca 256

<210> 38755  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944012H1

<400> 38755

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 aaaccccaaa tctttcccta tttattttca tcttagtttt ccctaggacc atatattata 120  
 ccatatttat atatcttcac atacttaata atatataata atgggtgttg tacggacgtg 180  
 ggagagcagg agggcggagc tggaggcctt tcgccggagc ctggtggcag ccgccggcat 240  
 ccagcggcgg aaagacgatg 260

<210> 38756  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700943975H1

<400> 38756

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 aaaaggagcg accccaacct gctcactggt gctcttgttg gtggacctga tgcatatgat 120



cgtatagtgt ttggcttcat gttcatagca ctgatatgga aatttgactt ctctcctggg 120  
atgggtcttga tcagtgctat tctgaatgat ggaac 155

<210> 38760  
<211> 207  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943979H1

<400> 38760

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caacagcgca aaggagcgca cctgaagaag agggctctga agaacaaagc tttgggcatc 120  
actttcaacg agacagatct cactgactac gtcaccggct ttcacaagcg cagatgaaga 180  
gaagaaggaa gccagaagca acagacg 207

<210> 38761  
<211> 218  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943980H1

<400> 38761

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cgccggaggg gtacggaaag gagggatattc caccgccggg ataccgccca gcgggatcac 120  
cgccagctgg atcacaccgc cgggatatcc gccacaacaa agctaattctc cgccgcctta 180  
ccggcgcagg ggtatctccg cctacgtctt tcaatagc 218

<210> 38762  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943981H1

<400> 38762

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cctttcacgc attcatccca agcattcaac aatgtctccg ttatcgaagc tctcgttgct 120



gatactgatg gtgttcatct cctccgcgat ggcctcctcc gacgagagag tgagcgaatt 180  
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 ccgc 244

<210> 38763  
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 <212> DNA  
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 <223> Clone ID: 700943982H1  
 <400> 38763

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 aatcgtcaac tcaaatttga tggccacagc aaagtaggaa aagtgtttat tgatagtggc 120  
 agttcttata catatttccc aaaagatgca tacttggtatc ttgttgcttc tcttaatgaa 180  
 gtttctgggt taggacttgt tcaagatgct tcagatacta ctttaccocat ttgctggcaa 240

<210> 38764  
 <211> 67  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943985H1  
 <400> 38764

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 acaccgt 67

<210> 38765  
 <211> 200  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943986H1  
 <400> 38765

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 tttcgttcta tgtctggaaa tcgtcgttat cataaatcct gctataagga gttgcatcat 180

200

atggcctata cccttactac ggatttatac caaactgaga ttcttggaat caattatgga 60  
aatcgtcaac tcaaatttga tggccaaagc aaagtaggaa aagtgttttt tgatagtggc 120  
agttcttata catatttccc aaaagaggca tacttggatc ttgttgcttc tcttaatgaa 180  
gtttctgggt taggacttgt tcaagatgat tcagatacta ctttaccocat ttgctggca 239

ctctcgcaaa	ccaattttca	cattctttgt	attgagttac	ttgagctagc	cgcaaccatg	60
gaaccatcca	aaaactcgca	gaagccctca	cattttccatg	actacctccc	cgtgatggcg	120
aacaagctcg	gcgggggacg	cctcatcgat	gagctctgca	acggcttcaa	gctgctcaag	180
gactccgaca	gaggggtgat	aacctttgag	agcctaaaga	ggaacgctgc	tctgctgggc	240

ctctccgctc taaattctct gtctctctct ctctctctcg atcaatcatg gctttgcccc 60  
atcagcaaac cgtcgattac cctagtttca aactcgtcac cgtcggtgac ggtggtagag 120  
gaaagacaac gttcgtgaaa aggcatctta cccggtggaat ttgagatgaa atacgaaccg 180



cactccaaat gcagtttcat acaaaacagc cagcgagag aggacacctg ataaaggcca 180  
 ggggatacaa a 191

<210> 38772  
 <211> 165  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943995H1  
 <400> 38772

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 agctgcttcg tcgcggttct ccaaaatcgc gtttcccca ggctc 165

<210> 38773  
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 <212> DNA  
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 <223> Clone ID: 700943996H1  
 <400> 38773

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 gagtaccggg tcgccgaaa actggccgga gaagcgcgac aactccatgg ccatcgtgac 180  
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<210> 38774  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944001H1  
 <400> 38774

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 attagatcca cttcgggtgt atccttacag atatcgagca gcagttctga tggacagcca 180

taaggaagag gaagccatgc ggaactctct agagccaatt gcattcaaag ctggatttgc 240  
acctcttgca tctacgtgca gcaattccat g 271

<210> 38775  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944002H1

<400> 38775

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ggaaggaagg aaggaagatg ttgggtgtta taaggcacia gagtattcgc cctgccttct 180  
ccgcaatcag acacttgtct tctgcagcta aagagattac tgtcagggag gctctgaact 240  
ccgcactcga tgaggaaatg tcagctgt 268

<210> 38776  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700944003H1

<400> 38776

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tctcatcctc ctcttaagaa gaagagtctt tcttgtgcct cgtcactatt actagcatat 180  
tgtaaaagtc tgttcttctt cggcttttgg ttgtaattag aacattttca cttagtgtga 240  
ttagtagtac ttgtgaacaa cttgtaa 267

<210> 38777  
<211> 266  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700944004H1

<400> 38777

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 gtgaaaccaa ggtgattcct ggtgaatatg gtntcgttgc ncagcttaat gagggtcgtc 180  
 acctcaagaa gagaccaact gagttccgag ttgacaaggt ccttcaaccc ttgatgaaa 240  
 acaaattcaa ctttaccaa gttggg 266

<210> 38778  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700944005H1  
 <400> 38778

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 gctaggtttg ttacacaata acaaaagcta gcaaaatata gtggtgacat tatgcctaaa 180  
 cccatgaaga ggctagatgg ggaaattgag cttagtcgta actggagttc aagtactctt 240  
 ataagatatt agagattacc catg 264

<210> 38779  
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 <223> Clone ID: 700944007H1  
 <400> 38779

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 tgactatgaa cgcattcaaca aagtgatggg tccagcctgc gaaatggcaa taaaactatg 120  
 tggcactgat ggaaacatcg catgcacggc atcatatatt gtttgtaata caatattcaa 180  
 ttccatcatg tcacatgctg gtgatatcaa ttattatgac atcagaaaga agtgtgaggg 240  
 gagcctttgc tatgattttt cg 262

<210> 38780  
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<212> DNA  
 <213> Glycine max

<223> Clone ID: 700944008H1

<400> 38780

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gcaccaacaa gaccttggtta cttggaacaa ggccacggct tggcttcctt aaaacacatg 180
gatgcgtgtc ataatcgtgc caacaacttt gtctctaggt ccatgaccat gggttacggc 240
acttcctacc acagaactag tttc 264
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<210> 38781  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944009H1

<400> 38781

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gtgcccacat gggcctttga tcacatcaaa tatttcaatg gtggttctga cattcagctt 180
catcttgaca agtacactgg tactggcttc cagtccaaag ggtcttactt gtttggtcac 240
ttcagcatgt acataaagat gg 262
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<210> 38782  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700944011H1

<400> 38782

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tctaacaata tctcacttca acttggtgtc attattaaat gagtgcatag tgttggtgtt 120
ctggagttgg tcatggaatt tattcaattc acatcccatt tgctactata tatgctctca 180
gtgccatatt aaatgatgaa attcttatta gtctagtttg attttactcg taaaaacaat 240
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tcatgcagac agagaaaata

260

<210> 38783  
<211> 236  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943974H1

<400> 38783

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tctgaaatta gctcttgcta gaaagatggc cgattttctc agcatctcat gatgactcca 120  
tggtttatta ttaccctgcc aatggcatct tcttcagact catgggtgaa ggatataatg 180  
aagcactgaa acttgctgat gatatcagtg gcatgatttc tgagcagagt tcattt 236

<210> 38784  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943937H1

<400> 38784

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gtatggatct ggaatgtatg gatcttctta tgggtggacta ggaggaggaa tgtatggatc 120  
atcttatggc ggggggatgt atggtaacag tatgtacagg ggaggatatg gtggcatgta 180  
tgggtcatcc gggatgtacg ggggtggaat gtataacagt ggcttagggg gtccaatgg 239

<210> 38785  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700943938H1

<400> 38785

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agctgagcat gatgggaagt gcaagtgtgg cactaactgc acttgcacgg actgcacttg 180



tggccattaa ggaatatgta tgaaaatgta attgccatgt gtttggcaat acaaattctcc 240  
aa 242

<210> 38786  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943939H1

<400> 38786

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tggttctactt caaagcgcg cccgaagccg gcgatttcac catcttcatg ggccttgaca 120  
agtacgagaa cgaggaactc atcaaatacg gttttcccga agacatctgg ttccatgtcg 180  
ataaaaatgtc ttcagcccat gtctatgtca ggttgacaaa aggccagacc atcgatgaca 240  
t 241

<210> 38787  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943940H1

<400> 38787

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tagcagattt gagaggaagg gtttttactt gaaaggggtg aaactcgta ctgtggaccg 180  
tccttttgct gagaagcact atgctgattt gtctgcaaag cctttcttta gtggtttggt 240  
gg 242

<210> 38788  
<211> 169  
<212> DNA  
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<223> Clone ID: 700943941H1

<400> 38788

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<210> 38789  
 <211> 180  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943944H1  
 <400> 38789

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 gacctgaatg gtttgccagt tttcgttaga agcacaatgc tgggacaaaag ttgttgtgtg 180

<210> 38790  
 <211> 187  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943946H1  
 <400> 38790

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 aaagagaaat cgcactctca acgggaagaa ggggtggcaag aagaccgcag ctgatccctt 120  
 tggcaagaag gattggtatg acattaaagc tccttgtgtt ttcaagtga aaatgttggc 180  
 caaaacc 187

<210> 38791  
 <211> 190  
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 <213> Glycine max  
 <223> unsure at all n locations  
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tcttgctgcg gtggtaactg tggttgcgga agctcctgca agtgcggcaa cggctgcgga 120  
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 cctggggagt 190

<210> 38792  
 <211> 58  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943948H1  
 <400> 38792

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<210> 38793  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943949H1  
 <400> 38793

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 cgaatatgct ccatgagcac aattctgcgg gcaaagacat gcaggaagtt gggttcaagg 180  
 catgggttta tcatcagga agccaacca agattcactt cacgctcgcg tgcgtcgtag 240  
 gattgaagga ggcaaagaag 260

<210> 38794  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943950H1  
 <400> 38794

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 gtgctgctga tccccgatac ggccgatact tgactgcac tgctatgttc aggggaaaga 180

tgagcaacca agaggttgct ggacaaatga tcaatgtgca gaacaagaac tcatacact 240  
 ttg 243

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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700943951H1  
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 gttgccaaat tatgagcaga aaatcaaaaag cttctttgaa gaacatcttc aactgatga 180  
 ggagatccgc ttttgtgctg ctggaagtgg gtattttgat gttagggatt gcaatgatgc 240  
 t 241

<210> 38796  
 <211> 242  
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 <223> Clone ID: 700943952H1  
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 acaatacaag catgactgct aataagagaa cagcactccc tggttttgta tccggtggat 120  
 caattggtgg tgacataaat acttatcaga gtactgcttc acccaatcct gctacatcag 180  
 cggtaatttc caccagtcaa gggtatggag taaatcctgg tcagaagagc acgaacagtt 240  
 ct 242

<210> 38797  
 <211> 219  
 <212> DNA  
 <213> Glycine max  
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 <400> 38797

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 gttgagagtc cttacgtgaa gtacacagag actgagattc agtccgtgta gaactatgaa 180  
 accactgaac ttgttcacga gaacaataat ggcacttat 219

<210> 38798  
 <211> 238  
 <212> DNA  
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<223> Clone ID: 700943955H1

<400> 38798

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 aagccctgaa gatgggtggca accacttcga cgatgatgga cgagtcagaa gaacgggtac 180  
 atggataact gggagtggcc atatgataac ggcagtgata gcgtcaggag cgttgtca 238

<210> 38799  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700943957H1

<400> 38799

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 ccatcaccct cgaggctcgag agcagcgaca ccatcgacaa cgtcaaggcc aagatccagg 120  
 acaaggaagg tatccctcct gaccagcaga ggttgatttt tgctggtaag cagctggaag 180  
 atggtcgcac tctgtctgat aataacatc aaaagg 216

<210> 38800  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700943958H1

<400> 38800

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gctcctaaaa aagtatccct tgcggacgtt ggaattgtgg gtggattgag tgatggatcc 120  
gatgaaaggg agaaaggccc tccaccttca ttttacatgg ggagagctat gggttcagga 180  
tctggtcttg gaatgggtag gtctggattc actccttcac agccagcagc tggagacgac 240  
t 241

<210> 38801  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943959H1

<400> 38801

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agatacaaac aatttttgca gattgttgag aatgcctttc aagaagcctc atcacacctc 120  
agacaagaac tacataacag gggacgacgg aggcaagttc gagatacaac ctagaggact 180  
caacattgtg tggggaaatg attctcgata ctggaaaatt ccagaacaag gtcctgcgga 240  
gct 243

<210> 38802  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700943960H1

<400> 38802

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tgtatcagtg agagaaactc tctatctaga aaccctattg cacgttttgc aatcgaactc 120  
gacaatggcc aaagcaacct ccctcgaaga atcatcaggg aaacgcagcg tttgttcagt 180  
gagccagcac caggaattaa gtgcctcccc ttctgaagag aatatgcatg atttcaatgt 240  
gatgat 246

<210> 38803  
<211> 238

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700943963H1  
  
 <400> 38803  
  
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 gttgctcctc ggactacttc ctcgncgccc gaagcacggc ggcgaggag aggaattcga 180  
 cgaagagccg acggagaagg agaaagagga agtggaaatt gcagtataag cgagcgag 238

<210> 38804  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700943964H1  
  
 <400> 38804  
  
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 gtcactggat atgctgttaa agcttgtagc atttttggtc caacaatacg tgcaactgtt 180  
 tcagcacctc cctctgttgg tgtcgatcta catcaagaag aaaggcggga atgctgcaac 240  
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<210> 38805  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700943965H1  
  
 <400> 38805  
  
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 tatgatgcta cgtttaataca gttaggtcag atgtcacaaa ctcaggcctc acttcactat 180  
 atacctccgt caacccccgat aatgggacct tttggcacca caggattcaa tcagacctgc 240

gcctgagggg g

251

<210> 38806  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700943966H1

<400> 38806

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 cataaattac gacttgcatt aaggattaat tgaagctttt ttacgcaaga taaactacaa 180  
 aaaaggtcgg ccactcctaa cattgtccgt cgtccgggaa ttgaattccg gccggttcc 239

<210> 38807  
 <211> 239  
 <212> DNA  
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<223> Clone ID: 700943967H1

<400> 38807

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 acctgagaat gtcttgctgc ggtggtaact gtggttgagg aagctcctgc aagtgcggca 120  
 acggctgcgg aggctgcaag atgtaccag acttgagcta cactgagtca accaccaccg 180  
 agaccttggg catgggagtg gcacctgtta aggtcaatt tgagggtgct gaaatgggt 239

<210> 38808  
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 <212> DNA  
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<223> Clone ID: 700943970H1

<400> 38808

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 cttgaactag ctggtagggc tttttaaata cgtcgataag ttaacagtgt tctgcttgtg 180